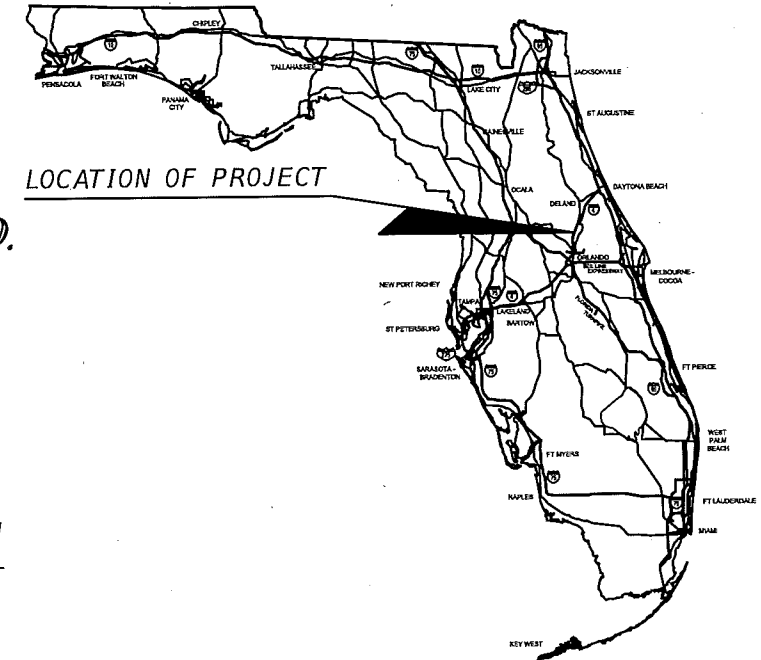


**CENTRAL FLORIDA
EXPRESSWAY AUTHORITY**

**PLANS OF PROPOSED
S.R. 429 (WEKIVA PARKWAY)
N. OF PONKAN RD. TO N. OF KELLY PARK RD.
ORANGE COUNTY**

CFX PROJECT NUMBER - 429-203

SIGNING AND PAVEMENT MARKING PLANS



**INDEX OF SIGNING AND
PAVEMENT MARKING PLANS**

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**CENTRAL FLORIDA EXPRESSWAY AUTHORITY
BOARD MEMBERS**

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S. SCOTT BOYD	VICE CHAIRMAN
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WALTER A. KETCHAM, JR.	BOARD MEMBER
JAY MADARA	BOARD MEMBER
SHAWN "MICHAEL" SCHEERINGA	BOARD MEMBER

**SIGNING AND PAVEMENT MARKING SHOP DRAWINGS
TO BE SUBMITTED TO:**

SUSAN A. GRATCH, P.E.
482 S. KELLER ROAD
ORLANDO, FL 32810

PLANS PREPARED BY:

ATKINS

482 S. KELLER ROAD
ORLANDO, FL 32810
(407) 647-7275
VENDOR #: 59-0896138.007
CERTIFICATE OF AUTHORIZATION #: 24

**NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.**

**SIGNING AND PAVEMENT MARKING PLANS
ENGINEER OF RECORD: SUSAN A. GRATCH**

P.E. NO.: 40134

FISCAL YEAR	SHEET NO.
14	S-1

**WEKIVA PARKWAY - 429-203
APPROVED FOR CONSTRUCTION
JUNE 2015**

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2014,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2014,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01/01/13
For Design Standards Modifications click on
"Design Standards" at the following web site:
<http://www.dot.state.fl.us/rddesign/>

CFX PROJECT MANAGER: GLENN M. PRESSIMONE, P.E.

BSA PROJECT MANAGER: KEVIN E. KNUDSEN, P.E.

TABULATION OF QUANTITIES


PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																		TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			S-28		S-29		S-30		S-31		S-32		S-33		S-34		S-35		PLAN	FINAL	PLAN	FINAL			
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL							
102-98-2	BARRICADE,TYPE 111 (F&I) (6 FEET)	EA	4																4		16				
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT,UP TO 12 SF	AS		1															1		13				
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT,12-20 SF	AS		2		1		6		3									12		26				
700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT,21-30 SF	AS		3				2				1		1					7		13				
700-1-50	SINGLE POST SIGN, RELOCATE	AS				1		2		3				4					10		10				
700-1-74	SINGLE POST SIGN, F&I CUSTOM, 31+ SF	AS																			1				
700-2-13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS				1													1		1				
700-2-15	MULTI- POST SIGN, F&I GROUND MOUNT, 51-100 SF	AS																			1				
700-2-16	MULTI- POST SIGN, F&I GROUND MOUNT, 101-200 SF	AS																			3				
700-3-204	SIGN PANEL,F&I OVERHEAD MOUNT, 31-50 SF	EA	1																1		2				
700-3-205	SIGN PANEL,F&I OVERHEAD MOUNT, 51-100 SF	EA																			2				
700-3-225	SIGN PANEL,F&I OVERHEAD MOUNT, 51-100 SF W/LIGHTING	EA																			1				
700-3-226	SIGN PANEL,F&I OVERHEAD MOUNT, 101-200 SF W/LIGHTING	EA																			3				
700-3-227	SIGN PANEL,F&I OVERHEAD MOUNT, 201-300 SF W/LIGHTING	EA	1																1		2				
700-4-112	OVERHEAD STATIC SIGN STRUCTURE,F&I,CANTILEVER,21-30 FT	EA																			1				
700-4-114	OVERHEAD STATIC SIGN STRUCTURE,F&I,CANTILEVER,41-50 FT	EA	1																1		2				
700-4-115A	OVERHEAD STATIC SIGN STRUCTURE,F&I,CANTILEVER,51-100 FT	EA																			2				
705-11-1	DELINEATORS, FLEXIBLE TUBULAR	EA		4															4		50				
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA																							
	WHITE/ RED		44	10				42	6	13		13							128		756				
	YELLOW/ RED			5															5		138				
	YELLOW/ YELLOW		67	126	70		75	76	57	69		106							646		722				
711-11-124	THERMOPLASTIC,STD, WHITE,SOLID, 18"	LF	156																156		156				
711-11-125	THERMOPLASTIC,STD, WHITE,SOLID, 24"	LF		44				110											154		154				
711-11-160	THERMOPLASTIC,STD, WHITE,MESSAGE MERGE	EA																			3				
711-11-170	THERMOPLASTIC,STD, WHITE,ARROWS	EA																							
	TURN ARROWS		4	6	4		12	2	3	4									35		35				
	MERGE ARROWS																				3				
	WRONG WAY																				1				
711-11-224	THERMOPLASTIC,STD, YELLOW,SOLID, 18"	LF	180	374			85	134	65	103									941		1093				
711-15-111	THERMO,STD, OPEN GRADED ASPH., WHITE,SOLID, 6"	NM	0.300	0.239	0.265		0.552	0.358	0.330	0.358									2.402		2.712				
711-15-122	THERMO,STD-OPEN GRADED ASPH., WHITE,SOLID, 8"	LF	307																307		307				
711-15-211	THERMO,STD, OPEN GRADED ASPH., YELLOW,SOLID, 6"	NM	0.390	0.412	0.265		0.359	0.580	0.429	0.523	0.800								3.758		4.327				
711-15-231	THERMO,STD-OPEN GRADED ASPH., YELLOW, SKIP, 6"	GM		0.079	0.265		0.021												0.365		0.365				
713-102-122	PREFORMED TAPE, HP, WHITE, SOLID, 8" (PPRT)	LF																			1565				
713-102-125	PREFORMED TAPE, HP, WHITE, SOLID, 18" (PPRT)	LF																			209				
713-102-144	PREFORMED TAPE,HP,WHITE,SKIP,12", (3-12), (PPRT)	LF																			192				
713-102-211	PREFORMED TAPE, HP, YELLOW, SOLID, 6" (PPRT)	NM		0.032															0.032		3.560				
713-102-222	PREFORMED TAPE, HP, YELLOW, SOLID, 8" (PPRT)	LF																			1726				
713-102-225	PREFORMED TAPE, HP, YELLOW, SOLID, 18" (PPRT)	LF																			891				
713-102-344	PREFORMED TAPE, HP, 12" ALT B/W SKIP (3-3-9) (PPRT)	LF																			30				
713-102-513	PREFORMED TAPE, HP,B/W CONTRAST,SOLID,9" (PPRT)	NM		0.055															0.055		3.761				
713-102-533	PREFORMED TAPE,HP,B/W CONTRAST,SKIP,9" (10-30)(PPRT)	GM		0.006															0.006		2.755				

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15, F.A.C.

REVISIONS						 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY ROAD NO. SR 429 PROJECT NO. 429-203	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TABULATION OF QUANTITIES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					S-4

SIGNING GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL SIGNS. SHOP DRAWINGS SHALL INCLUDE VHB CALCULATIONS FOR ALL STANDARD AND NON-STANDARD GROUND MOUNTED SIGNS, SINGLE AND MULTI-POST.
2. ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED. ANY SIGNS SCHEDULED TO BE RELOCATED OR TO REMAIN THAT ARE DAMAGED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
3. NOT USED
4. ALL EXISTING SIGNS ARE TO REMAIN VISIBLE UNTIL SUCH TIME AS THE PROPOSED SIGN ASSEMBLY INSTALLATION IS COMPLETED.
5. EXCEPT WHERE NOTED, CODE NUMBER AND SIGN LISTED ARE STANDARD AS SHOWN IN MUTCD 2009 AND STANDARD HIGHWAY SIGNS MANUAL, FHWA, 2004 WITH THE 2012 SUPPLEMENT.
6. THE CONTRACTOR SHALL ESTABLISH, STAKE AND PAINT SIGN LOCATIONS WITH THE USE OF A FLORIDA REGISTERED LAND SURVEYOR. IF THE STAKES AND/OR PAINTED MARKS ARE OBLITERATED DURING THE CONSTRUCTION PROCESS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE SIGN LOCATIONS RE-ESTABLISHED BY A FLORIDA REGISTERED LAND SURVEYOR. NO ADDITIONAL PAYMENT WILL BE ALLOWED.
7. SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, PUBLIC SIDEWALK CURB RAMPS, ETC. MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE CEI. THE ENGINEER OF RECORD MUST APPROVE EXTREME LOCATION CHANGES. IN ALL CASES ROADWAY SAFETY SHALL NOT BE COMPROMISED AND ADA REQUIREMENTS FOR UNOBSTRUCTED PEDESTRIAN PATHS SHALL BE SATISFIED.
8. THE CONTRACTOR SHALL SET ROADWAY GROUND MOUNT SIGNS AT PROPER DEFLECTION ANGLE TO THE ROADWAY IN ACCORDANCE WITH FDOT INDEX I7302, UNLESS NOTED OTHERWISE IN THE PLANS.
9. THE CEI SHALL APPROVE COMMON POST MOUNTING OF REGULATORY SIGN PANELS PRIOR TO ASSEMBLY INSTALLATION. NO SIGNS SHALL BE MOUNTED BACK TO BACK WITH STOP OR YIELD SIGNS.
10. CARE SHALL BE TAKEN THAT OVERHEAD PANELS ARE POSITIONED OVER THE LANE(S) TO WHICH THEY APPLY AND AS SHOWN IN THE PLANS. THE CEI SHALL APPROVE THE LOCATIONS ALONG THE TRUSS PRIOR TO INSTALLATION.
11. MILEPOST MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH THE VERTICAL CLEARANCE CRITERIA IN INDEX I7302 REGARDLESS OF LOCATION, I.E. ROADSIDE OR TOP OF BARRIER WALL.
12. THE CONTRACTOR SHALL COMPLETELY FILL IN ALL HOLES WITH SELECT MATERIALS IN 12" LIFTS AND SOD GROUND MOUNT REMOVAL LOCATIONS WITHIN 24 HOURS. PAYMENT IS TO BE INCLUDED WITH SIGN REMOVAL. FINAL WORK ITEMS MAY ONLY BE DEFERRED AT THE DIRECTION OF THE CEI.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORK, WHEN NECESSARY, TO MEET ALL EROSION CONTROL CRITERIA AS REQUIRED IN THE SPECIFICATIONS. AN EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE CEI FOR APPROVAL PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY. ALL EROSION CONTROL WORK AND MATERIALS SHALL BE INCLUDED IN THE UNIT COST OF THE SIGN ASSEMBLY.
14. ALL MISCELLANEOUS WORK NECESSARY IN THE SHOULDER AREA TO CONSTRUCT AND/OR REMOVE SIGNS (I.E. GRADING, SODDING, CLEARING AND GRUBBING, GUARDRAIL RE-SETTING OR FENCE RE-SETTING) IS CONSIDERED INCIDENTAL, AND IS TO BE INCLUDED IN THE COST OF THE SIGN ASSEMBLY. ALL DISTURBED AREAS SHALL BE SODDED. THE CONTRACTOR SHALL HAUL ALL EXCESS EXCAVATION AND WASTE MATERIALS OFF-SITE. REMOVAL OF THESE MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SIGN ASSEMBLY.
15. EXISTING SIGNS TO BE REMOVED SHALL BE MEASURED AND PAID FOR BY THE POST ASSEMBLY REGARDLESS OF THE NUMBER OF EXISTING PANELS ATTACHED.
16. EXISTING SIGN PANELS AND/OR SIGN ASSEMBLIES TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF AT HIS EXPENSE EXCEPT WHERE SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS. ALL SIGN ASSEMBLIES SCHEDULED FOR REMOVAL SHALL BE TAKEN OFF THE PROJECT SITE BY THE CONTRACTOR WITHIN 48 HOURS OF REMOVAL.
17. THE CONTRACTOR SHALL VERIFY FIELD ELEVATIONS FOR VERTICAL SUPPORTS FOR ALL SIGNS PRIOR TO FABRICATION.
18. SIGN ITEMS 700-4-ABC: DESIGN WIND LOADS TO BE USED IN THE DESIGN SHALL BE BASED ON BASIC WIND SPEED OF 130 MPH. IN ACCORDANCE WITH FDOT STRUCTURES MANUAL, THE STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS, INDEX DRAWINGS AND THE FOLLOWING REQUIREMENTS:
 - A) INCREASE THE PROPOSED SIGN PANEL DEPTH BY 20% FOR DESIGN WITH THE FUTURE PANEL (S) ASSUMED TO BE BOTTOM JUSTIFIED ON THE TRUSS. WHEN THE SPAN TRUSS IS TO ACCOMMODATE PANEL(S) OVER ONLY ONE DIRECTION OF TRAVEL, A FUTURE PANEL, INCLUDING EXIT NUMBER, SHALL BE CONSIDERED OVER THE OPPOSITE ROADWAY FOR THE PURPOSE OF PROVIDING MAXIMUM FLEXIBILITY FOR FUTURE USE.
 - B) SPAN TYPE STRUCTURES SHALL MEET THE CRITERIA A.) ABOVE OR THE FDOT STRUCTURES MANUAL CRITERIA FOR URBAN AREAS, WHICHEVER GOVERNS.
 - C) CANTILEVER ARM LENGTHS AND UPRIGHT HEIGHTS WERE DETERMINED BASED ON INITIAL SIGN CONFIGURATION. INITIAL PANEL SHALL BE POSITIONED TO MATCH THE END OF THE CANTILEVER ARM FOR AESTHETICS.
 - D) FOUNDATION DETAILING SHALL BE ACCORDING TO FDOT INDEX I1310 OR I1320, EXCEPT THE DRILLED SHAFT OR PEDESTAL SHALL EXTEND A MINIMUM 3 INCHES ABOVE THE GROUND LINE OR THE DESIGN HIGH WATER LINE AND A 3 INCH GROUT PAD SHALL BE UTILIZED FOR ALL OVERHEAD SIGN STRUCTURES.
 - E) CANTILEVER ARM LENGTHS WERE DETERMINED BASED ON THE INITIAL SIGN CONFIGURATION. THE 20% INCREASED SIGN PANEL AREAS ARE NOT SHOWN ON THE CROSS SECTIONS. ANY FUTURE PANELS SHOWN ON THE CROSS SECTIONS WERE FOR STRUCTURE DESIGN PURPOSES ONLY AND ARE NOT PART OF THIS CONTRACT.
19. PRIOR TO ERECTION OF ANY OVERHEAD SIGN STRUCTURES, THE AS-BUILT LOCATION OF THE ANCHOR BOLTS SHALL BE SURVEYED BY A FLORIDA REGISTERED LAND SURVEYOR AND SUBMITTED IN A WRITTEN REPORT TO THE CEI FOR APPROVAL. COST TO BE CONSIDERED INCIDENTAL TO THE UNIT PRICE OF THE SIGN ASSEMBLY.
20. DUE TO THE TIMING OF ADJACENT CONTRACTS, THE CEI MAY DIRECT THE CONTRACTOR TO DELAY INSTALLATION OF CERTAIN PANELS. PANELS SHALL NOT BE INSTALLED AND COVERED WITHOUT PRIOR APPROVAL FROM THE AUTHORITY. NO ADDITIONAL PAYMENT WILL BE PERMITTED.
21. STEEL AND ALUMINUM POST SIZES ARE SHOWN IN THE PLANS FOR MULTI-POST MOUNTED SIGNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY POST SIZES AND LENGTHS PRIOR TO FABRICATION. THE CONTRACTOR MAY USE AN ALTERNATE POST MATERIAL UPON PROVIDING ADEQUATE JUSTIFICATION TO THE PROJECT ENGINEER. THE SAME POST MATERIAL AND SHAPE, IF APPLICABLE, SHALL BE USED THROUGHOUT THE ENTIRE PROJECT.
22. ALL SUPPORT COLUMNS FOR OVERHEAD SIGN STRUCTURES, SHALL BE PAINTED WHEN PROJECT REACHES SUBSTANTIAL COMPLETION. PAINTING SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION AND PLAN DETAIL(S). PAYMENT FOR PAINTING PROPOSED PRIGHTS SHALL BE CONSIDERED INCIDENTAL TO STRUCTURE INSTALLATION. SEE SPECIAL PROVISIONS.
23. SIGN STRUCTURE UPRIGHT SURFACES SHALL BE PREPARED IN ACCORDANCE WITH THE SPECIAL PROVISIONS BEFORE PAINTING. ALL BOLTS, CROSS BRACE DIAGONALS AND FLANGES NOTED ON THE PLANS DETAIL SHEET(S) SHALL BE THOROUGHLY CLEANED AND FREE OF DEBRIS BEFORE PRIMER AND FINISHED COAT(S) ARE APPLIED.
24. THE CONTRACTOR SHALL REMOVE AND REINSTALL ALL EQUIPMENT ATTACHED TO SIGN UPRIGHTS PRIOR TO BEGINNING THE PAINTING PROCESS. EQUIPMENT SHALL INCLUDE BUT IS NOT LIMITED TO ELECTRICAL DISCONNECT SWITCH BOXES, ELECTRICAL AND/OR FOM CONDUIT, DMS CONTROLLER BOXES, ANTENNAE, ETC. ANY EQUIPMENT DAMAGED DURING THE PAINTING PROCESS SHALL BE REPAIRED OR REPLACED IN KIND BY THE CONTRACTOR AT HIS EXPENSE. ALL REPAIRS SHALL MEET THE SATISFACTION OF THE ENGINEER OF RECORD.
25. NOT USED
26. NOT USED
27. ALL OVERHEAD SIGNS SHALL BE LIGHTED. SIGN LUMINAIRES SHALL BE AS NOTED IN THE LIGHTING PLANS ON THE GENERAL NOTES AND LEGEND SHEET.
28. TOP MOUNTED LUMINARIES SHALL NOT BE ALLOWED ON THE MAINLINE OR RAMPS WITHIN THE AUTHORITY'S JURISDICTION.
29. THE CONTRACTOR SHALL PROVIDE WIRING AND PULL BOXES (AS NECESSARY) TO ALL FUTURE SIGN PANEL POSITIONS AND CAP OFF IN THE CONNECTOR BOX.
30. NOT USED
31. THE SIGN LIGHTING LUMINARIES SHALL BE "NIGHT AIMED" TO ASSURE PROPER ILLUMINATION OF THE SIGN SURFACE. THE LUMINARIES MUST BE AT AN ANGLE SUFFICIENT TO PREVENT THEM FROM SHINING INTO THE FACES OF DRIVERS TRAVELING IN THE OPPOSITE DIRECTION.
32. SIGN LIGHTING LUMINARIES MAY REQUIRE SHIELDING TO PREVENT GLARE INTO NEIGHBORING RESIDENTIAL PROPERTIES. WHEN INCLUDED IN PLANS THE CEI SHALL FIELD VERIFY AND DOCUMENT NEED FOR SHIELDING PRIOR TO INSTALLATION. THE CEI SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD FOR RESOLUTION. COST OF SHIELDING SHALL BE CONSIDERED INCIDENTAL TO THE SIGN ASSEMBLY OR NEW SIGN LUMINAIRE INSTALLATION AS APPROPRIATE.
33. THE CONTRACTOR SHALL ENERGIZE OVERHEAD SIGN LUMINAIRES WITHIN 24 HOURS OF INSTALLATION.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATIONS OF EXISTING ROADWAY LIGHTING CONDUIT PRIOR TO INSTALLATION OF ROADWAY SIGNAGE.
35. A SEPARATE GROUNDING ELECTRODE AND PULL BOX IS REQUIRED PER UPRIGHT OF EACH NEW CANTILEVER. TWO SEPARATE GROUNDING ELECTRODES AND PULL BOXES ARE REQUIRED PER UPRIGHT ON EACH NEW SPAN TRUSS STRUCTURE. PAYMENT SHALL BE INCIDENTAL TO COST OF STRUCTURE. INSTALLATION SHALL BE IN ACCORDANCE WITH FDOT INDEX I7505 WITH A MINIMUM REQUIRED LENGTH OF 20 LINEAR FEET AND A MEASURED RESISTANCE OF 25 OHMS OR LESS. ALL CONNECTIONS SHALL BE EXOTHERMICALLY WELDED.
36. FOR LOCATIONS THAT REQUIRE A GROUNDING ELECTRODE ARRAY (AS DETERMINED BY THE CEI), A SEPARATE PULL BOX SHALL BE INSTALLED FOR EACH ELECTRODE WITHIN THE ARRAY AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SIGN ASSEMBLY.
37. 3M SCOTCH BRAND VERY HIGH BOND (VHB) ACRYLIC FOAM TAPE NUMBER 4950 OR THE AUTHORITY'S APPROVED EQUAL IN COMBINATION WITH MECHANICAL FASTENERS SHALL BE USED TO ATTACH PANELS TO WIND BEAMS, BRACKETS AND SPLICE PLATES ON ALL SINGLE AND MULTI-POST SIGN ASSEMBLIES. CONTRACTOR SHALL MEET ALL 3M REQUIREMENTS FOR PROPER INSTALLATION OF VHB. VHB TAPE SHALL NOT BE REUSED ONCE INSTALLED. DESIGN SHALL MEET MOST CURRENT FDOT WIND LOAD CRITERIA. SEE SPECIAL PROVISIONS.

REVISIONS						 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GENERAL NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	PROJECT NO.			
							SR 429	429-203			S-5

- 38. MECHANICAL FASTENERS USED TO ATTACH SIGN PANELS TO WIND BEAMS, BRACKETS AND SPLICE PLATES FOR ALL OVERHEAD AND GROUND MOUNTED PANELS SHALL BE COUNTERSUNK SCREWS.
- 39. THE CONTRACTOR SHALL PATCH ALL COUNTERSUNK SCREWS ON ALL NEW SIGN FACES. RIVETS ON OVERLAYS AND/OR DEMOUNTS SHALL BE PAINTED WITH COLOR TO MATCH SHEETING AT RIVET LOCATION. SEE SPECIAL PROVISIONS.
- 40. NOT USED
- 41. NOT USED
- 42. NOT USED
- 43. NOT USED
- 44. NOT USED
- 45. UTILITY LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. SEE UTILITY ADJUSTMENT PLANS. THERE MAY BE ADDITIONAL UTILITIES WITHIN THE CONSTRUCTION AREAS WHICH ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND OWNERSHIP OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITY.
- 46. THE AUTHORITY'S FIBER OPTIC TONE WIRE, CONDUIT, AND LOCATE TAPE WITHIN FIVE (5) FEET OF MULTI-POST AND OVERHEAD SIGN STRUCTURES SHALL BE MANUALLY LOCATED VIA SOFT DIG EXCAVATION PRIOR TO THE CONSTRUCTION OF PROPOSED SIGN STRUCTURES.
- 47. VEGETATION SHALL BE REMOVED OR CUT BACK AS DIRECTED BY THE CEI TO PROVIDE ADEQUATE SIGHT DISTANCE FOR ALL OVERHEAD AND GROUND MOUNTED SIGNS. VEGETATION REMOVAL AND TRIMMING SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE OF THE SIGN ASSEMBLY.
- 48. NOT USED
- 49. NOT USED
- 50. AT LOCATIONS WITHIN PLANNED LANDSCAPING AREAS (BY OTHERS), THE CONTRACTOR SHALL COMPLETE ALL WORK (I.E. GRADING, CLEAN-UP, ETC.) IMMEDIATELY UPON INSTALLATION OF SIGN ASSEMBLY SUCH THAT LANDSCAPING FEATURES MAY BE INSTALLED. FINAL WORK ITEMS MAY ONLY BE DEFERRED AT THE DIRECTION OF THE CEI.
- 51. ALL NEW SIGN PANELS REGARDLESS OF MOUNTING (OVERHEAD, SINGLE POST OR MULTI-POST) SHALL BE A MINIMUM OF 0.125 INCHES THICK. ALL SIGN OVERLAYS SHALL BE A MINIMUM OF 0.08 INCHES THICK. EXTRUDED PANELS SHALL NOT BE ALLOWED.
- 52. ALL ROADWAY AND TOLL COLLECTION POINT SIGN PANELS REGARDLESS OF LOCATION, MOUNTING TYPE (OVERHEAD, SINGLE OR MULTI-POST) OR LIGHTING SHALL BE FABRICATED USING 3M DIAMOND GRADE CUBED (DG3) SHEETING OR THE AUTHORITY'S APPROVED EQUAL. WARNING SIGNS FOR LANE DROP (W4-2), LANE ENDS (W9-1, W9-2), REDUCE SPEED AHEAD (W3-5), CURVES AND PEDESTRIAN CROSSINGS SHALL BE 3M FLUORESCENT DG3 SHEETING OR THE AUTHORITY'S APPROVED EQUAL. SCHOOL CROSSING SIGNS (S1-1) AND SUPPLEMENTAL PLAQUES SHALL BE FABRICATED USING 3M DG3 FLUORESCENT YELLOW-GREEN SHEETING OR THE AUTHORITY'S APPROVED EQUAL.
- 53. THE COLOR(S) OF ALL PANELS POSITIONED ABOVE AND BELOW A ROUTE SHIELD (U.S., STATE, COUNTY AND TOLL) IN ROUTE MARKER ASSEMBLIES SHALL MATCH THE ASSOCIATED SHIELD.
- 54. NOT USED
- 55. NOT USED
- 56. A DECAL SHALL BE PROVIDED ON BACK OF ALL NEW PANELS REGARDLESS OF MOUNTING TYPE (OVERHEAD, SINGLE OR MULTI-POST). LETTERS SHALL BE BLACK AND LARGE ENOUGH TO BE CLEARLY LEGIBLE. THE DECAL SHALL CONTAIN THE FOLLOWING INFORMATION:
CFX/PROJECT NUMBER
FABRICATOR'S INITIALS/DATE OF FABRICATION
SHEETING MANUFACTURER/NAME OF SHEETING
DATE OF INSTALLATION
- 57. THE SIGN PANEL FABRICATOR SHALL PROVIDE A COLOR PHOTOGRAPH OF THE ASSEMBLED PANEL FOR ALL MULTI-POST AND OVERHEAD MOUNTED SIGNS. PHOTOGRAPHS SHALL BE SUBMITTED TO THE CEI. THE CEI SHALL FORWARD A COPY OF THE PICTURES TO THE EOR AND THE AUTHORITY'S REPRESENTATIVE. THE CEI, EOR AND THE AUTHORITY'S REPRESENTATIVE SHALL APPROVE THE PHOTOS PRIOR TO SHIPMENT. DIGITAL FORMAT IS ACCEPTABLE; "JPG" FORMAT PREFERRED. PHOTO DETAIL AND RESOLUTION SHALL BE SUCH THAT REVIEWER WILL BE ABLE TO REASONABLY DETERMINE IF THE PANEL HAS BEEN FABRICATED IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. PHOTOGRAPHS WILL NOT BE REQUIRED FOR MULTI-POST ROUTE MARKER COMPONENT PANELS UNLESS THEY ARE SPECIAL DESIGN. ONLY ONE REPRESENTATIVE PHOTOGRAPH IS REQUIRED FOR MULTIPLE IDENTICAL SPECIAL DESIGN ROUTE MARKER COMPONENTS.
- 58. IF SIGN SHEETING, COLORS OR ADHESIVE TAPE MATERIALS ARE PROPOSED FOR USE OTHER THAN THE 3M PRODUCTS SPECIFIED IN THE GENERAL NOTES OR PLAN DETAILS, A 4" X 4" (SHEETING) OR 24" X 1" (TAPE) SAMPLE OF EACH IN ALL APPLICABLE COLORS SHALL BE SUBMITTED TO THE AUTHORITY FOR APPROVAL PRIOR TO FABRICATION OR USE. ALL SAMPLES SHALL INCLUDE MANUFACTURER'S INFORMATION INCLUDING, BUT NOT LIMITED TO, SPECIFICATIONS, WARRANTY AND LOCAL SITES WHERE PRODUCT IS CURRENTLY IN USE.
- 59. NOT USED
- 60. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILLING OUT THE COLUMN ENTITLED "AS-BUILT STATION" IN THE TABLE ON THE DETAIL SHEET FOR SPECIAL DESIGN MILE POSTS.
- 61. NOT USED
- 62. ALL RELOCATED SIGN ASSEMBLIES SHALL MEET CURRENT FDOT DESIGN STANDARDS. NEW POSTS, FOUNDATIONS, HARDWARE, ETC. MAY BE REQUIRED.


REVISIONS						 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GENERAL NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	PROJECT NO.			S-6
							SR 429	429-203			

PAVEMENT MARKING GENERAL NOTES

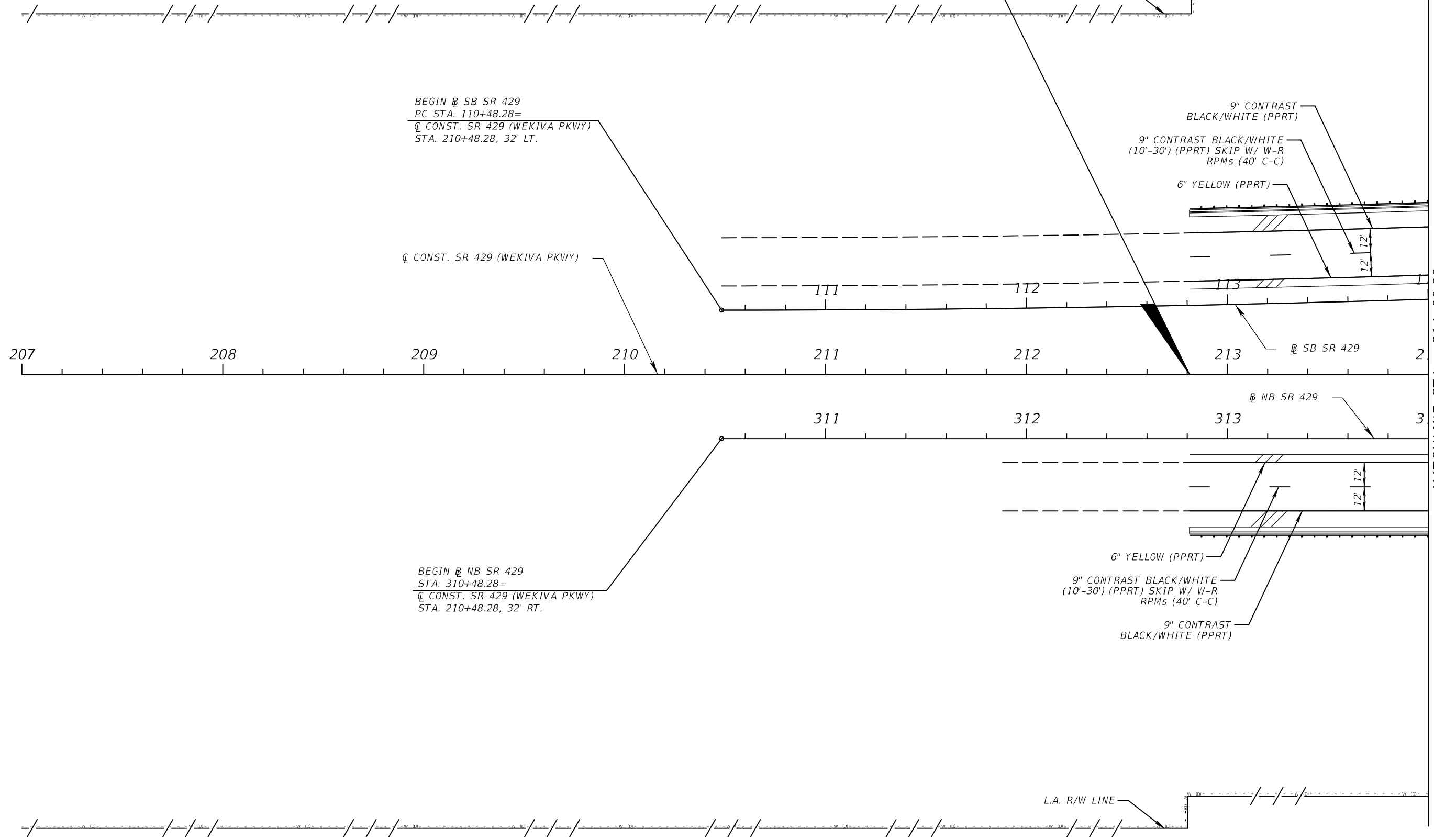
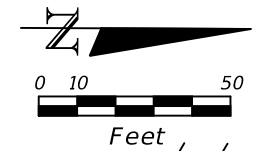
1. STOP BARS, CROSSWALKS, STANDARD PAVEMENT MESSAGES AND STANDARD DIRECTIONAL ARROWS SHALL BE THERMOPLASTIC (THERMO). ALL OTHER STRIPING WITHIN THE EXPRESSWAY AUTHORITY'S JURISDICTION SHALL BE 3M COMPANY SERIES 380IES OR THE AUTHORITY'S APPROVED EQUAL ON ASPHALT AND CONCRETE PAVEMENT, UNLESS OTHERWISE NOTED IN PLANS. THE OPTION LANE ARROW SHALL BE PREFORMED THERMOPLASTIC, PPRT, OR STANDARD THERMOPLASTIC AS APPROVED BY THE AUTHORITY.
2. ALL PAVEMENT MARKINGS ON KELLY PARK RD. AND PLYMOUTH SORRENTO RD. SHALL BE THERMOPLASTIC (THERMO).
3. ALL MAINLINE AND RAMP SKIP LINES (10'-30') SHALL BE PREFORMED PATTERNED RETRO-REFLECTIVE CONTRAST TAPE (PPRT) CONSISTING OF A 6" WHITE TAPE BORDERED ON BOTH SIDES (LONGITUDINALLY) WITH A 1/2" MATTE BLACK CONTRASTING TAPE, FOR A TOTAL WIDTH OF 9".
4. WHITE EDGE LINES SHALL BE PREFORMED PATTERNED RETRO-REFLECTIVE CONTRAST TAPE (PPRT) CONSISTING OF A 6" WHITE TAPE BORDERED ON BOTH SIDES (LONGITUDINALLY) WITH A 1/2" MATTE BLACK CONTRASTING TAPE, FOR A TOTAL WIDTH OF 9".
5. RETROREFLECTIVE PAVEMENT MARKERS (RPMS) ARE TO BE PLACED ALONG THE ENTIRE LENGTH OF THE PROJECT IN ACCORDANCE WITH FDOT INDEX 17345, 17346 AND 17352, UNLESS OTHERWISE NOTED IN PLANS. ALL RPMS INSTALLED ALONG THE AUTHORITY'S MAINLINE AND ALONG RAMPS WITHIN THE AUTHORITY'S JURISDICTION SHALL BE 3M COMPANY SERIES 290 RPMS OR THE AUTHORITY'S APPROVED EQUAL.
6. REFLECTIVE PAVEMENT MARKER ADHESIVE FOR USE ON ASPHALT AND CONCRETE PAVEMENT SHALL BE BITUMINOUS MATERIAL UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
7. NOT USED
8. ANY EXISTING PAVEMENT MARKINGS, RPM'S OR DELINEATORS SCHEDULED TO REMAIN EITHER WITHIN OR BEYOND THE PROJECT LIMITS (INCLUDING MILLING AND RESURFACING), WHICH ARE DAMAGED DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT HIS EXPENSE. LIMIT OF REPLACEMENT IF REQUIRED SHALL BE DETERMINED BY THE CEI.
9. ROADSIDE MOUNTED FLEXIBLE TUBULAR DELINEATORS SHALL BE "SAFE-HIT CORPORATION, TYPE 2 GUIDE POST (48" WITH FLATTENED TOP)" OR THE AUTHORITY'S APPROVED EQUAL.
10. NOT USED
11. PAVEMENT MARKINGS (I.E., EDGE LINES, CHANNELIZATION STRIPING, ETC.) SHALL NOT EXTEND THROUGH CROSSWALK AREAS.
12. ALL REMOVABLE PAVEMENT MARKING SHALL BE 3M COMPANY WET REFLECTIVE REMOVABLE TAPE, SERIES 780 OR THE AUTHORITY'S APPROVED EQUAL.
13. THE CONTRACTOR SHALL NOT ABUT MULTIPLE STRIPES IN ORDER TO MEET THE SPECIFIED WIDTH (I.E., THREE 6" STRIPES TO MAKE ONE 18" STRIPE, ETC.). CONTRACTOR SHALL INSTALL ONE STRIPE OF THE SPECIFIED WIDTH.
14. NOT USED
15. IF DELINEATORS, RPMS OR PAVEMENT MARKING MATERIALS ARE PROPOSED FOR USE OTHER THAN THE PRODUCTS SPECIFIED IN THE GENERAL NOTES OR PLAN DETAILS, A SAMPLE OF EACH IN ALL APPLICABLE COLORS SHALL BE SUBMITTED TO THE AUTHORITY FOR APPROVAL PRIOR TO INSTALLATION. ALL SAMPLES SHALL INCLUDE MANUFACTURERS INFORMATION INCLUDING, BUT NOT LIMITED TO, SPECIFICATIONS, WARRANTY AND LOCAL SITES WHERE PRODUCT IS CURRENTLY IN USE.
16. PROPOSED 12" WHITE/BLACK ALTERNATING 3'-3'-9' SKIP STRIPING ON CONCRETE PAVEMENT SHALL BE INSTALLED USING THE BUTT SPLICE METHOD IN ACCORDANCE WITH THE LATEST EDITION OF 3M COMPANY "STAMARK TAPES PAVEMENT SURFACE PREPARATION AND APPLICATION TECHNIQUES, INFORMATION FOLDER 5.7". CONTACT 3M AT 1-800-553-1380 AS NEEDED.
17. NOT USED

PAY ITEM NOTES

1. NOT USED
2. NOT USED
3. NOT USED
4. NOT USED
5. NOT USED
6. 700-4-ABCA: INDICATES CANTILEVERS THAT EXCEED 50 FEET IN LENGTH.
7. 713-IAA-BCD: PREFORMED TAPE SHALL BE 3M COMPANY 380IES OR AUTHORITY APPROVED EQUAL. SEE GENERAL NOTES.
8. 700-4-ABC: SIGN UPRIGHT PAINTING SHALL BE CONSIDERED INCIDENTAL TO COST OF PROPOSED STRUCTURE.
9. NOT USED
10. NOT USED
11. NOT USED
12. 711-IA-BCD : FOR LOCATIONS THAT REQUIRE THERMOPLASTIC PAVEMENT MARKINGS, PAINT SHALL BE USED FOR THE INITIAL APPLICATION TO ALLOW FOR A 30 DAY CURE TIME. INSTALLATION OF THE FINAL THERMOPLASTIC STRIPING SHALL BE AS DIRECTED BY THE AUTHORITY'S DIRECTOR OF CONSTRUCTION BY THE CEI. COST OF THE INITIAL PAINT APPLICATION SHALL BE INCLUDED IN THE THERMOPLASTIC PAY ITEM.
13. 700-1-50: NEW POSTS, HARDWARE, ETC., IF NEEDED, SHALL BE INCLUDED IN COST OF ASSEMBLY RELOCATION.
14. 102-98-2: COST SHALL INCLUDE ROAD CLOSED SIGN (RII-2) INSTALLED PER PLANS.

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END PROJECT SECTION 429-202
 BEGIN PROJECT SECTION 429-203
 BEGIN SIGNING AND MARKING
 MATCH EXIST. PAVT. MARKINGS
 C CONST. SR 429 (WEKIVA PKWY)
 STA. 212+81.09



BEGIN SB SR 429
 PC STA. 110+48.28=
 C CONST. SR 429 (WEKIVA PKWY)
 STA. 210+48.28, 32' LT.

C CONST. SR 429 (WEKIVA PKWY)

9" CONTRAST
 BLACK/WHITE (PPRT)
 9" CONTRAST BLACK/WHITE
 (10'-30') (PPRT) SKIP W/ W-R
 RPMs (40' C-C)
 6" YELLOW (PPRT)

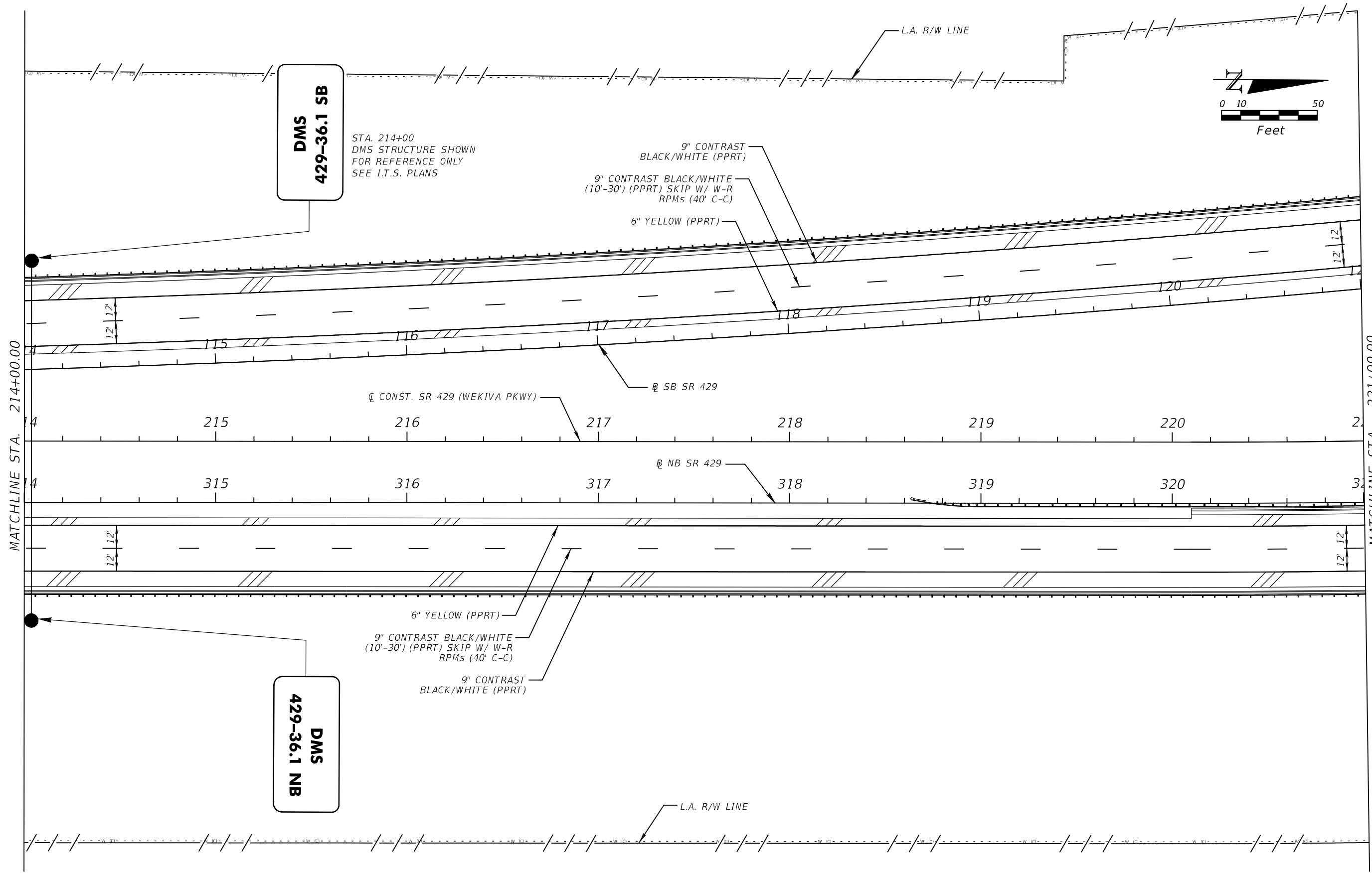
BEGIN NB SR 429
 STA. 310+48.28=
 C CONST. SR 429 (WEKIVA PKWY)
 STA. 210+48.28, 32' RT.

6" YELLOW (PPRT)
 9" CONTRAST BLACK/WHITE
 (10'-30') (PPRT) SKIP W/ W-R
 RPMs (40' C-C)
 9" CONTRAST
 BLACK/WHITE (PPRT)

MATCHLINE STA. 214+00.00

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SR 429 PLAN SHEET (1)	SHEET NO.
	ROAD NO. SR 429	PROJECT NO. 429-203			S-8



REVISIONS					
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ATKINS
 482 S. Keller Road, Orlando, FL 32810
 Certificate of Authorization No. 24
 Susan A. Gratch P.E. No. 40134

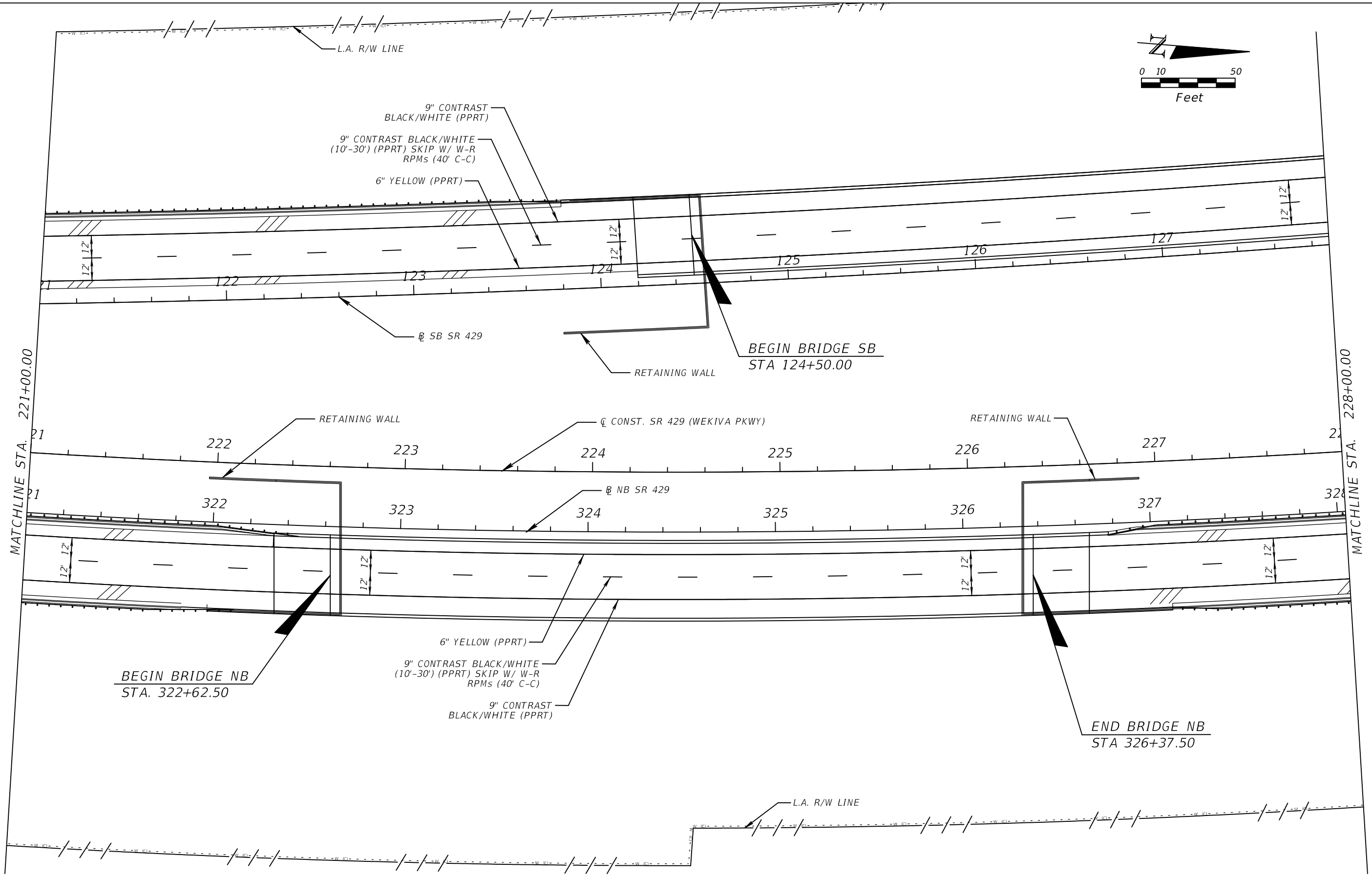
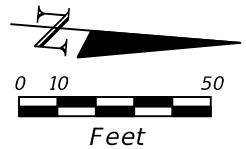
CENTRAL FLORIDA EXPRESSWAY AUTHORITY

ROAD NO.	PROJECT NO.
SR 429	429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (2)

SHEET NO.
 S-9



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS

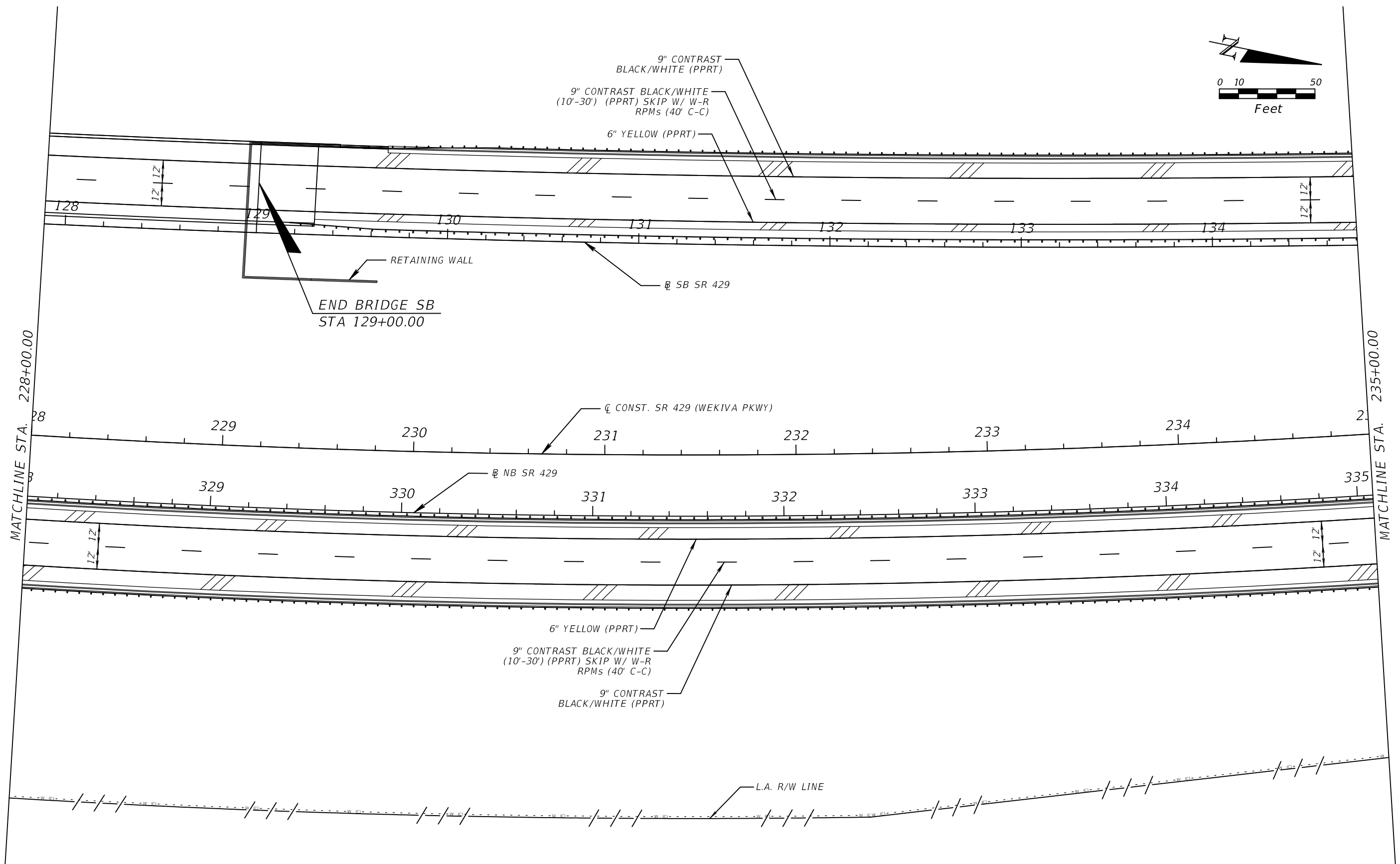
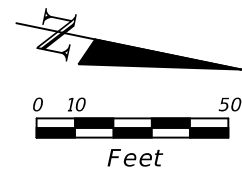
482 S. Keller Road, Orlando, FL 32810
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CENTRAL FLORIDA EXPRESSWAY AUTHORITY	
ROAD NO.	PROJECT NO.
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CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (3)

SHEET NO.
S-10



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS

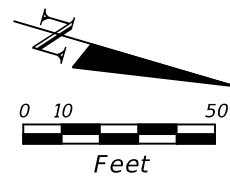
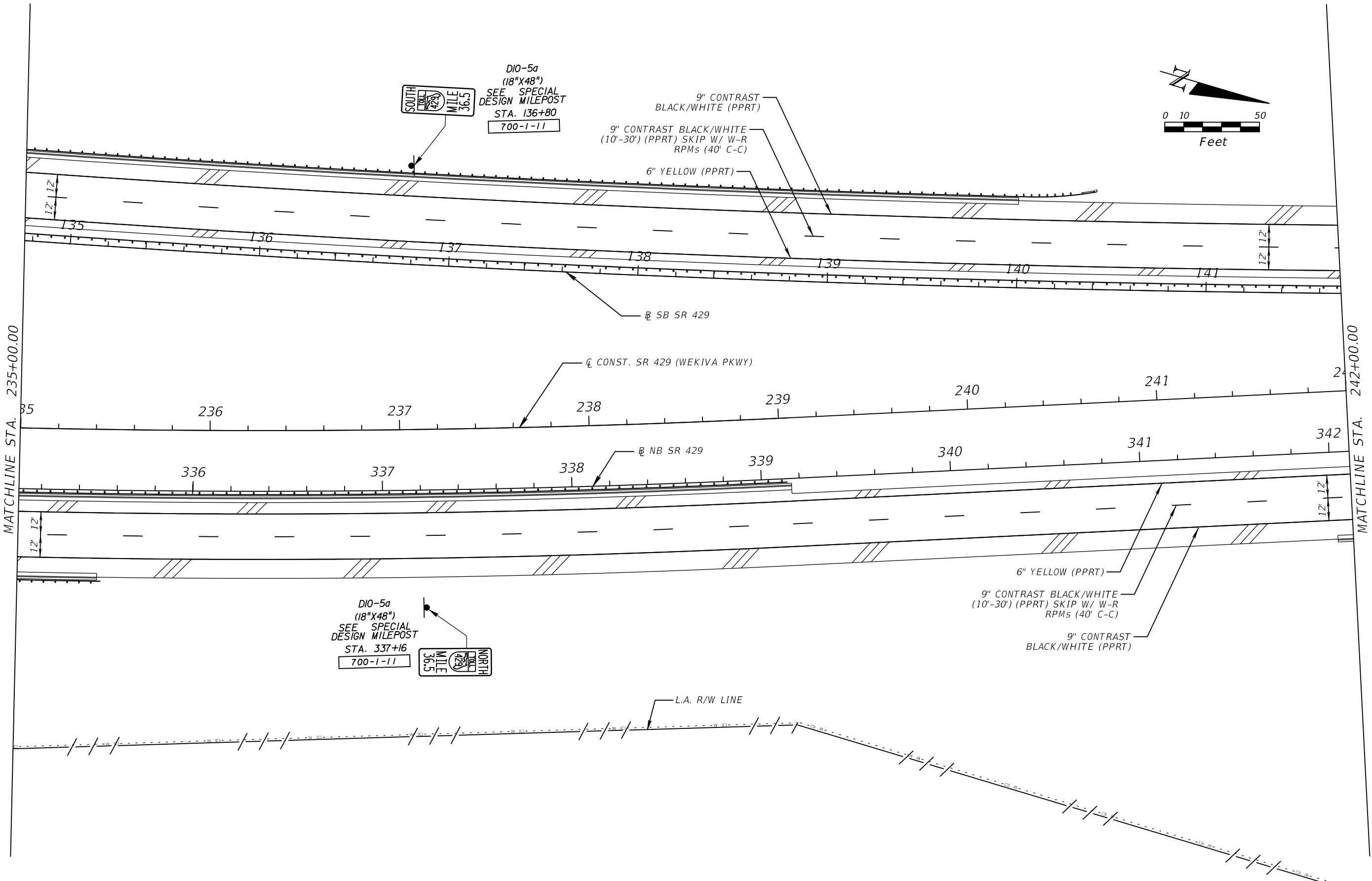
482 S. Keller Road, Orlando, FL 32810
 Certificate of Authorization No. 24
 Susan A. Gratch P.E. No. 40134

CENTRAL FLORIDA EXPRESSWAY AUTHORITY	
ROAD NO.	PROJECT NO.
SR 429	429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (4)

SHEET NO.
S-11



MATCHLINE STA. 235+00.00

MATCHLINE STA. 242+00.00

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS

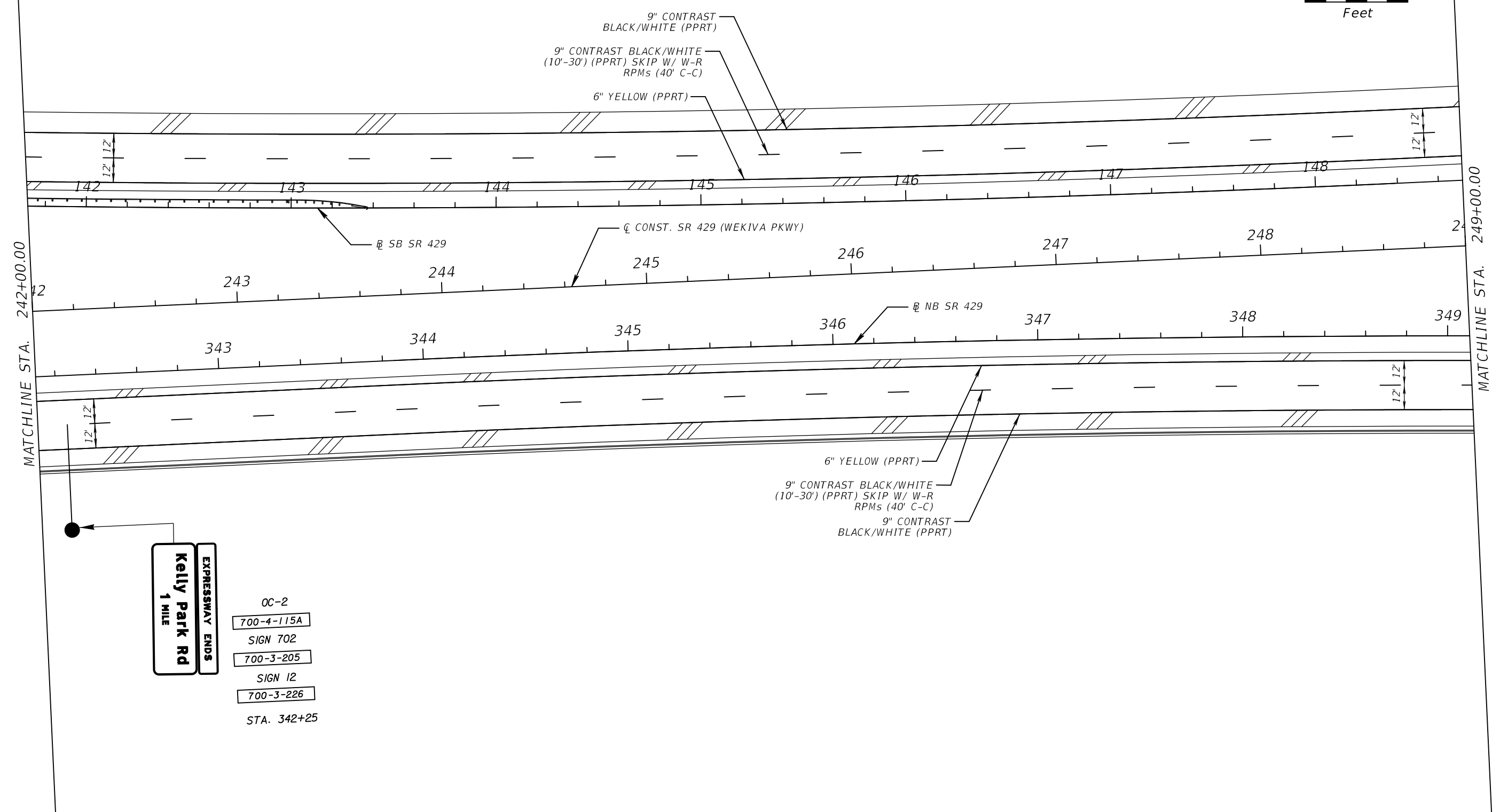
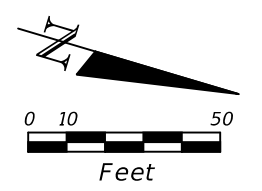
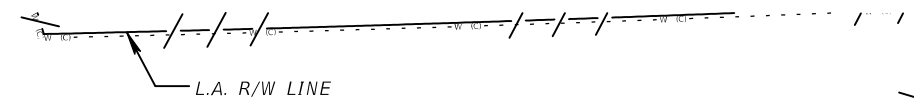
482 S. Keller Road, Orlando, FL 32810
 Certificate of Authorization No. 24
 Susan A. Gratch P.E. No. 40134

CENTRAL FLORIDA EXPRESSWAY AUTHORITY	
ROAD NO.	PROJECT NO.
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CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (5)

SHEET NO.
S-12



Kelly Park Rd
EXPRESSWAY ENDS
 1 MILE

OC-2
 700-4-115A
 SIGN 702
 700-3-205
 SIGN 12
 700-3-226
 STA. 342+25

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

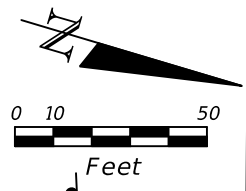
ATKINS
 482 S. Keller Road, Orlando, FL 32810
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CENTRAL FLORIDA EXPRESSWAY AUTHORITY	
ROAD NO.	PROJECT NO.
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CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (6)

SHEET NO.
 S-13



FTP-43-06
(48"X48")
STA. 155+30
700-1-12



9" CONTRAST
BLACK/WHITE (PPRT)

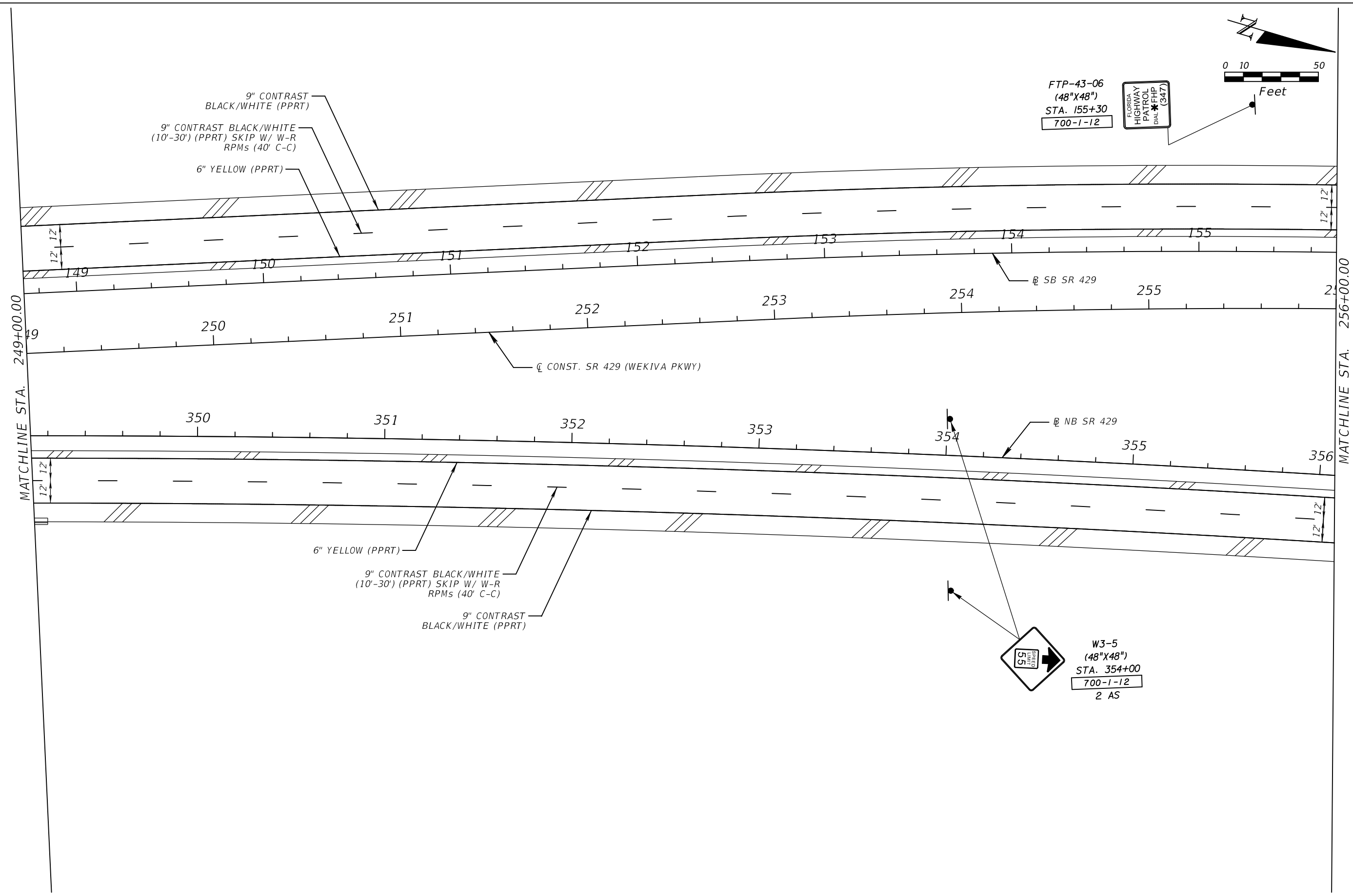
9" CONTRAST BLACK/WHITE
(10'-30') (PPRT) SKIP W/ W-R
RPMs (40' C-C)

6" YELLOW (PPRT)

6" YELLOW (PPRT)

9" CONTRAST BLACK/WHITE
(10'-30') (PPRT) SKIP W/ W-R
RPMs (40' C-C)

9" CONTRAST
BLACK/WHITE (PPRT)



REVISIONS					
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ATKINS

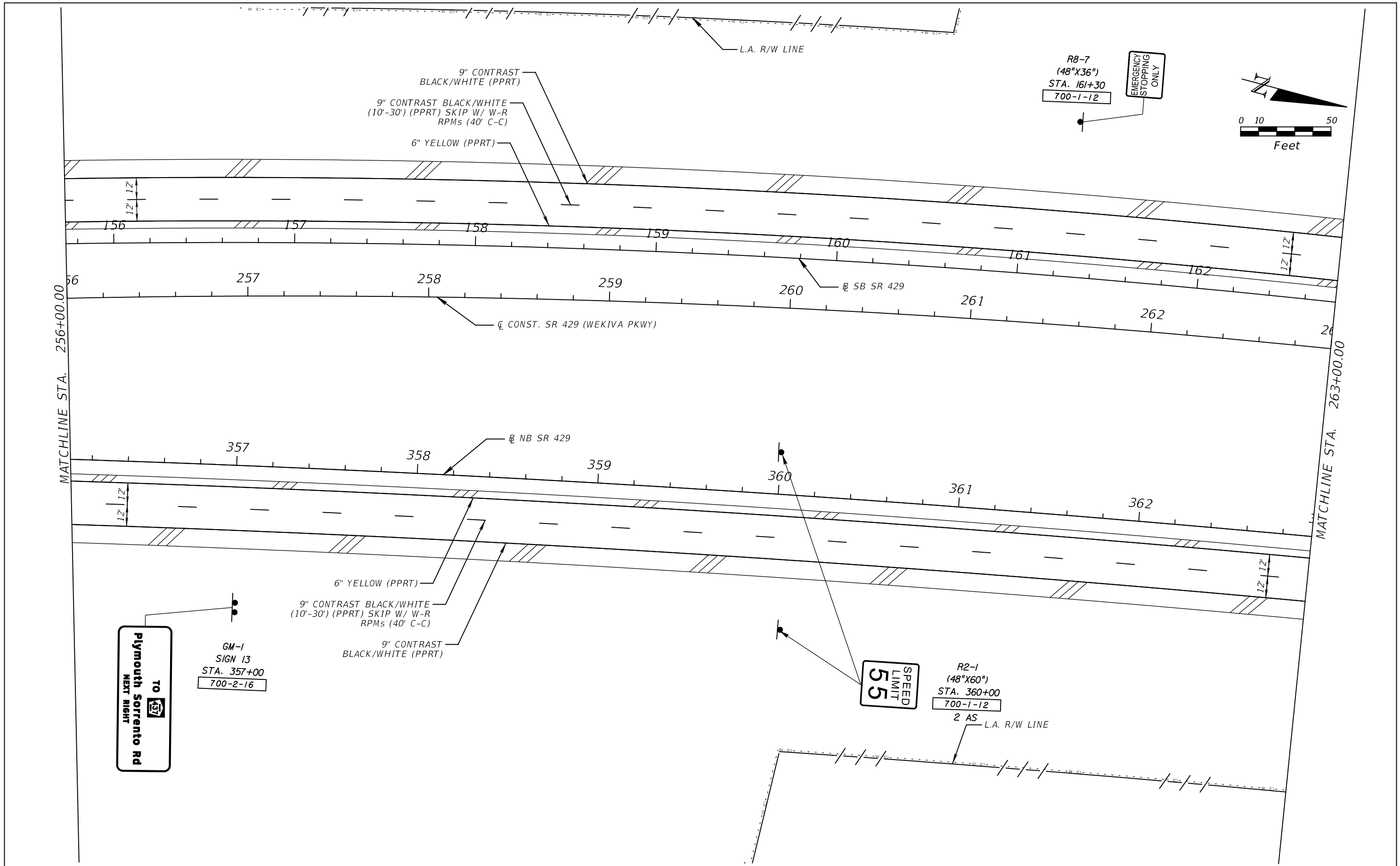
482 S. Keller Road, Orlando, FL 32810
Certificate of Authorization No. 24
Susan A. Gratch P.E. No. 40134

CENTRAL FLORIDA EXPRESSWAY AUTHORITY	
ROAD NO.	PROJECT NO.
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CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (7)

SHEET NO. S-14



REVISIONS					
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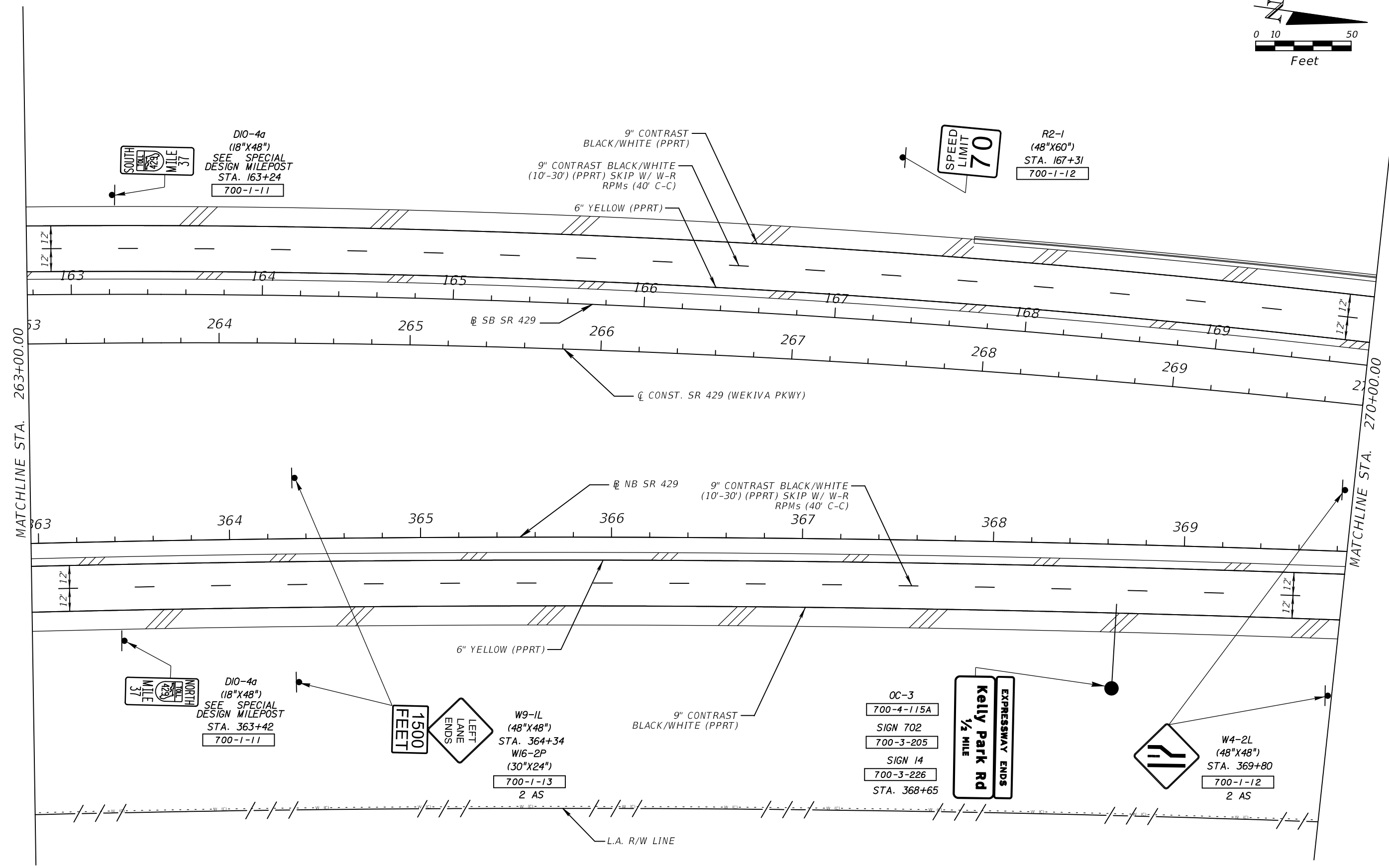
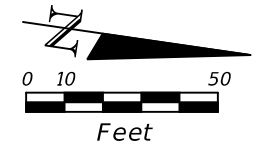
ATKINS
 482 S. Keller Road, Orlando, FL 32810
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ROAD NO.	PROJECT NO.
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SR 429 PLAN SHEET (8)

SHEET NO.
S-15



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ATKINS

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CENTRAL FLORIDA EXPRESSWAY AUTHORITY

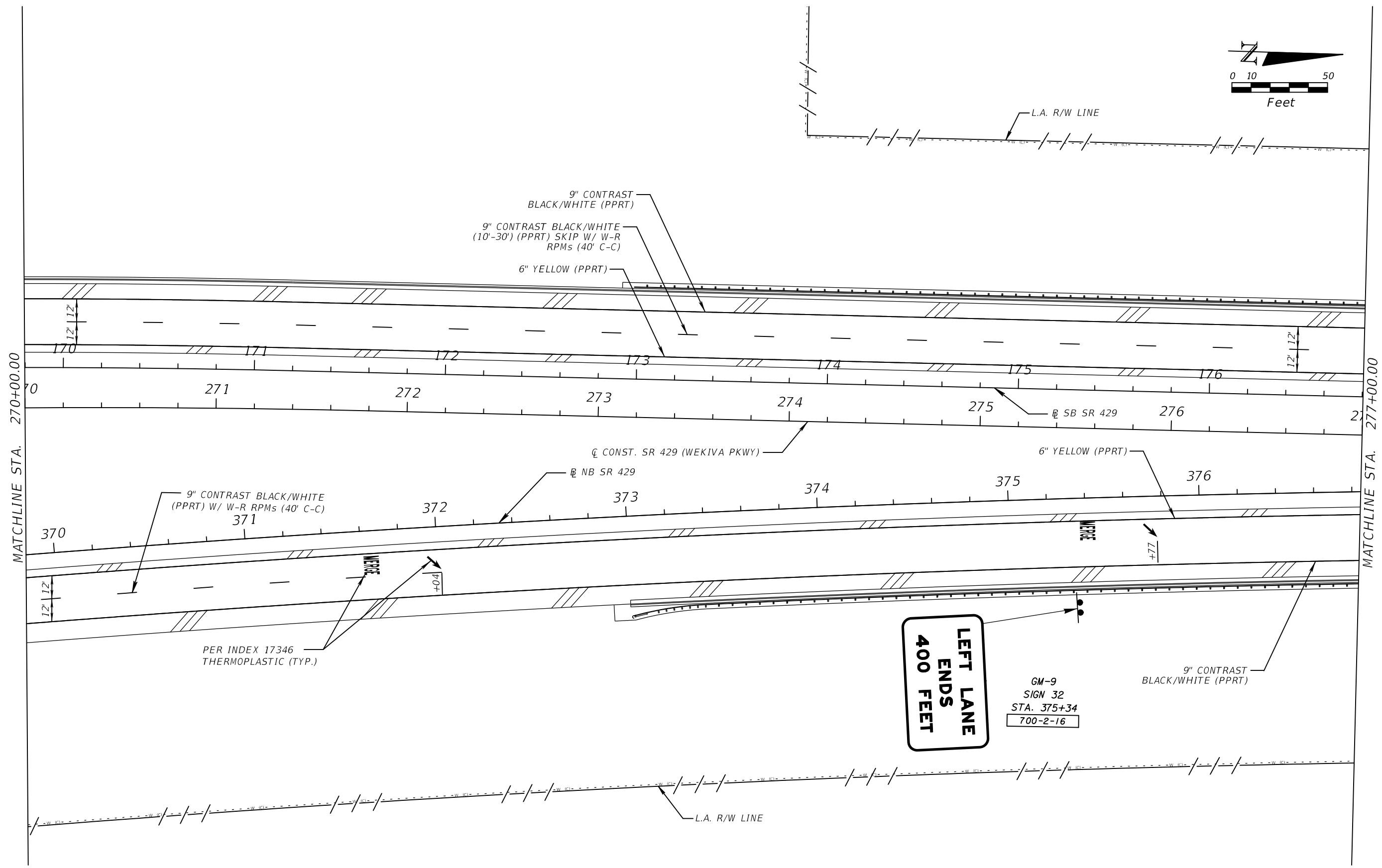
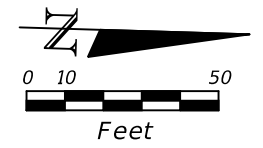
ROAD NO.	PROJECT NO.
SR 429	429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (9)

SHEET NO.

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REVISIONS					
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ATKINS

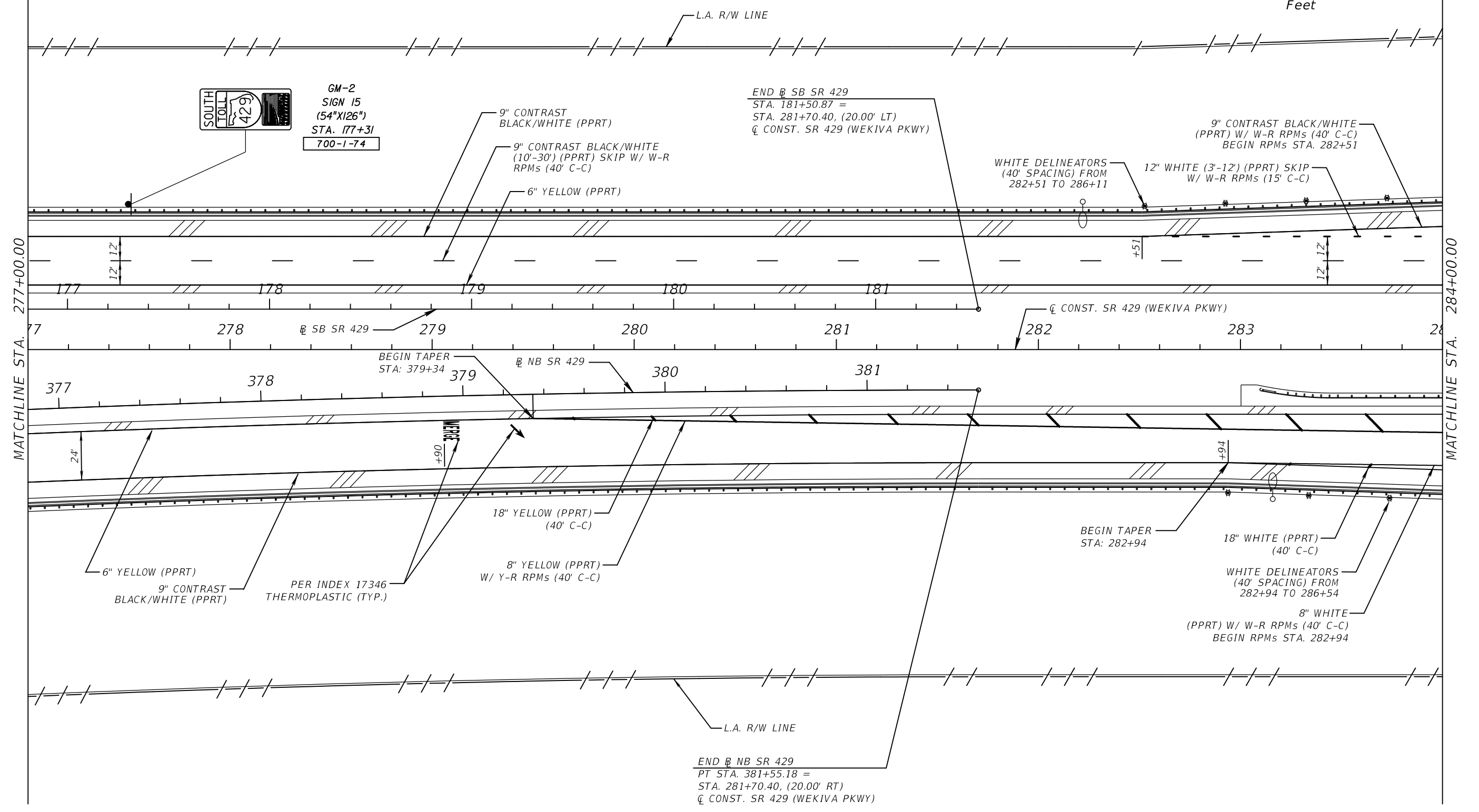
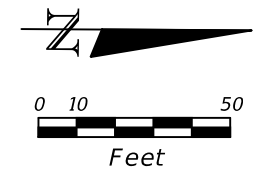
482 S. Keller Road, Orlando, FL 32810
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CENTRAL FLORIDA EXPRESSWAY AUTHORITY	
ROAD NO. SR 429	PROJECT NO. 429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (10)

SHEET NO.
S-17



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS
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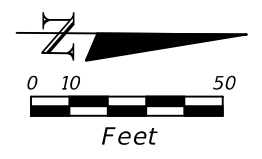
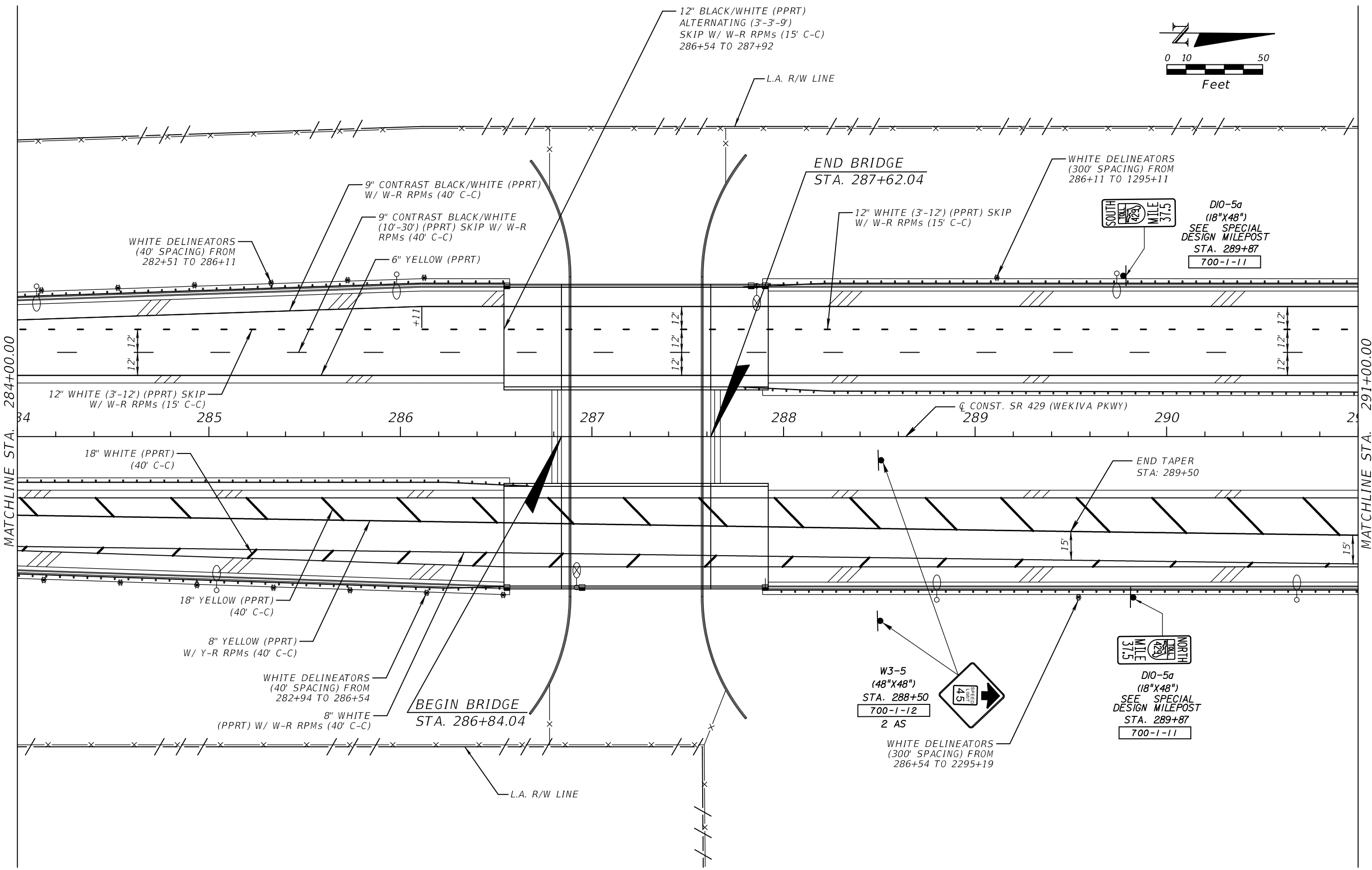
CENTRAL FLORIDA EXPRESSWAY AUTHORITY

ROAD NO.	PROJECT NO.
SR 429	429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (11)

SHEET NO.
S-18



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS

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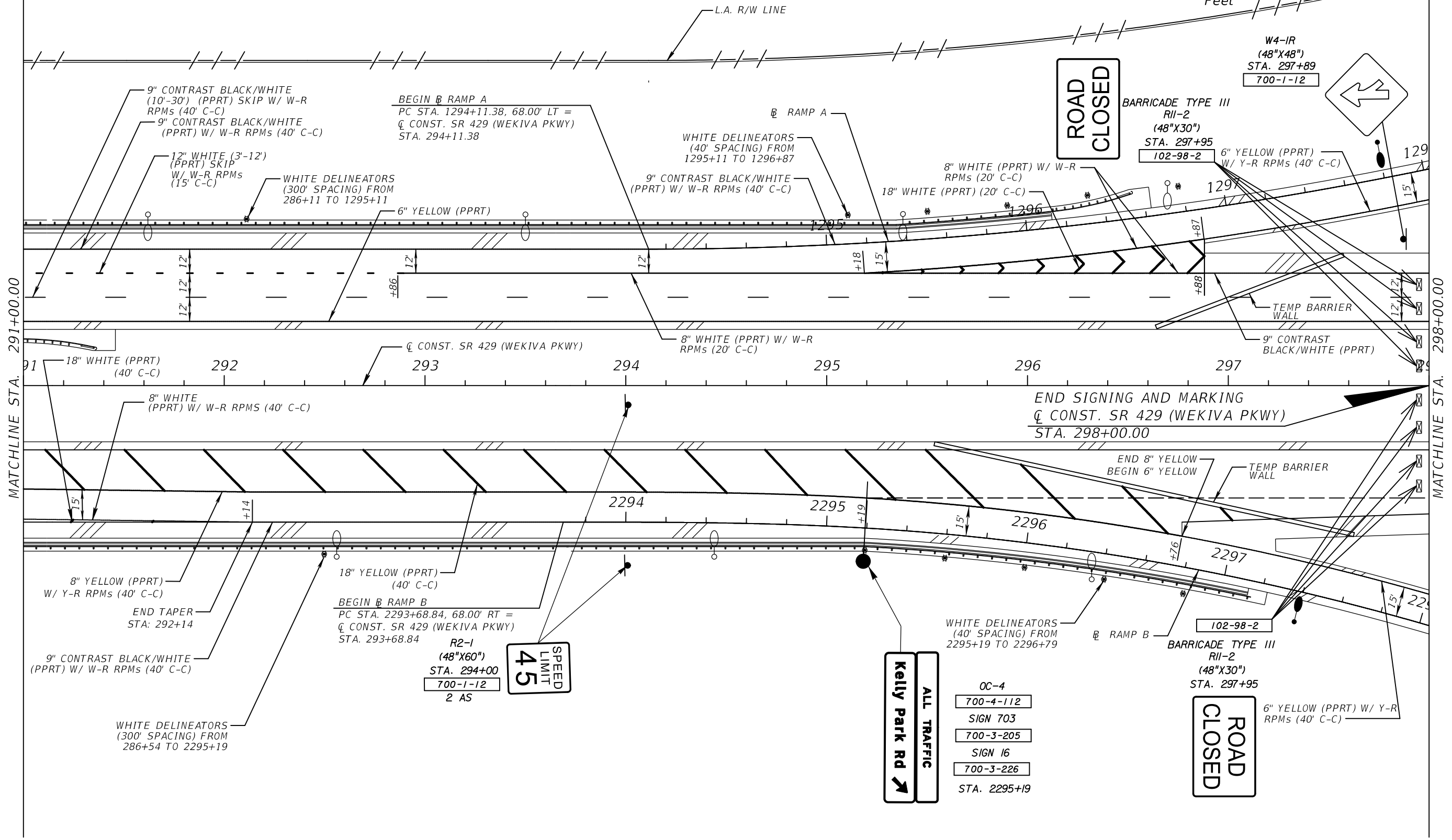
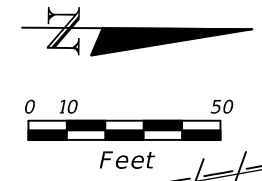
CENTRAL FLORIDA EXPRESSWAY AUTHORITY

ROAD NO.	PROJECT NO.
SR 429	429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (12)

SHEET NO.
S-19



MATCHLINE STA. 291+00.00

MATCHLINE STA. 298+00.00

ROAD CLOSED

ROAD CLOSED

SPEED LIMIT 45

Kelly Park Rd
ALL TRAFFIC

OC-4
700-4-112
SIGN 703
700-3-205
SIGN 16
700-3-226
STA. 2295+19

W4-IR
(48"X48")
STA. 297+89
700-1-12

BARRICADE TYPE III
R11-2
(48"X30")
STA. 297+95
102-98-2

BARRICADE TYPE III
R11-2
(48"X30")
STA. 297+95
102-98-2

END SIGNING AND MARKING
CONST. SR 429 (WEKIVA PKWY)
STA. 298+00.00

BEGIN RAMP B
PC STA. 2293+68.84, 68.00' RT =
CONST. SR 429 (WEKIVA PKWY)
STA. 293+68.84

BEGIN RAMP A
PC STA. 1294+11.38, 68.00' LT =
CONST. SR 429 (WEKIVA PKWY)
STA. 294+11.38

WHITE DELINEATORS
(300' SPACING) FROM
286+54 TO 2295+19

WHITE DELINEATORS
(300' SPACING) FROM
286+11 TO 1295+11

WHITE DELINEATORS
(40' SPACING) FROM
1295+11 TO 1296+87

8" WHITE (PPRT) W/ W-R
RPMs (20' C-C)

6" YELLOW (PPRT)
W/ Y-R RPMs (40' C-C)

9" CONTRAST BLACK/WHITE
(10'-30') (PPRT) SKIP W/ W-R
RPMs (40' C-C)

12" WHITE (3'-12')
(PPRT) SKIP
W/ W-R RPMs
(15' C-C)

9" CONTRAST BLACK/WHITE
(PPRT) W/ W-R RPMs (40' C-C)

18" WHITE (PPRT) (20' C-C)

9" CONTRAST
BLACK/WHITE (PPRT)

18" WHITE (PPRT)
(40' C-C)

8" WHITE
(PPRT) W/ W-R RPMs (40' C-C)

18" YELLOW (PPRT)
(40' C-C)

END 8" YELLOW
BEGIN 6" YELLOW

9" CONTRAST BLACK/WHITE
(PPRT) W/ W-R RPMs (40' C-C)

END TAPER
STA. 292+14

WHITE DELINEATORS
(40' SPACING) FROM
2295+19 TO 2296+79

6" YELLOW (PPRT) W/ Y-R
RPMs (40' C-C)

DATE

BY

DESCRIPTION

DATE

BY

DESCRIPTION

ATKINS

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Certificate of Authorization No. 24
Susan A. Gratch P.E. No. 40134

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

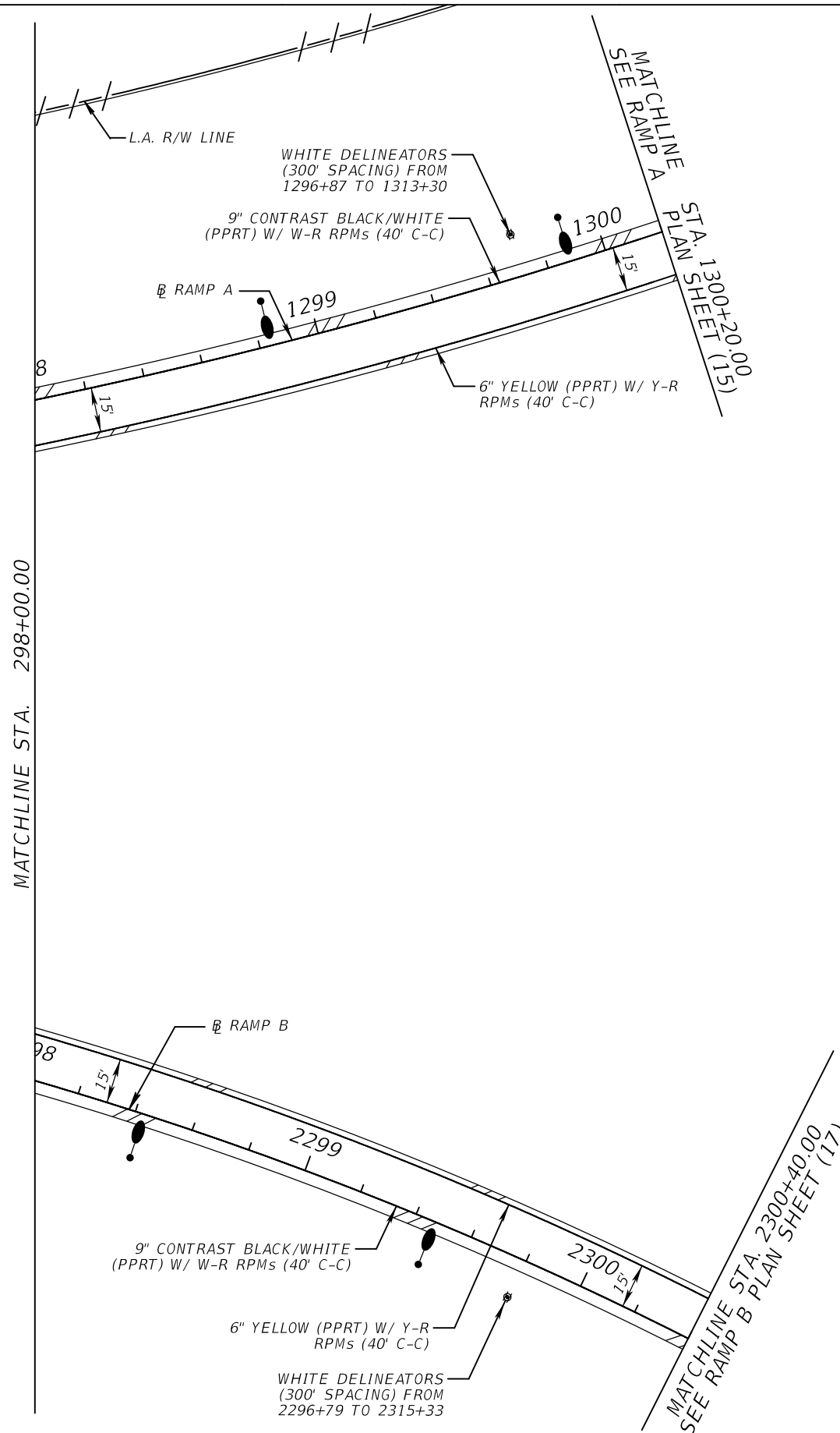
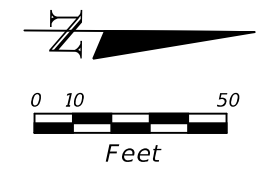
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CENTRAL FLORIDA EXPRESSWAY AUTHORITY

SR 429 PLAN SHEET (13)

SHEET NO.

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REVISIONS					
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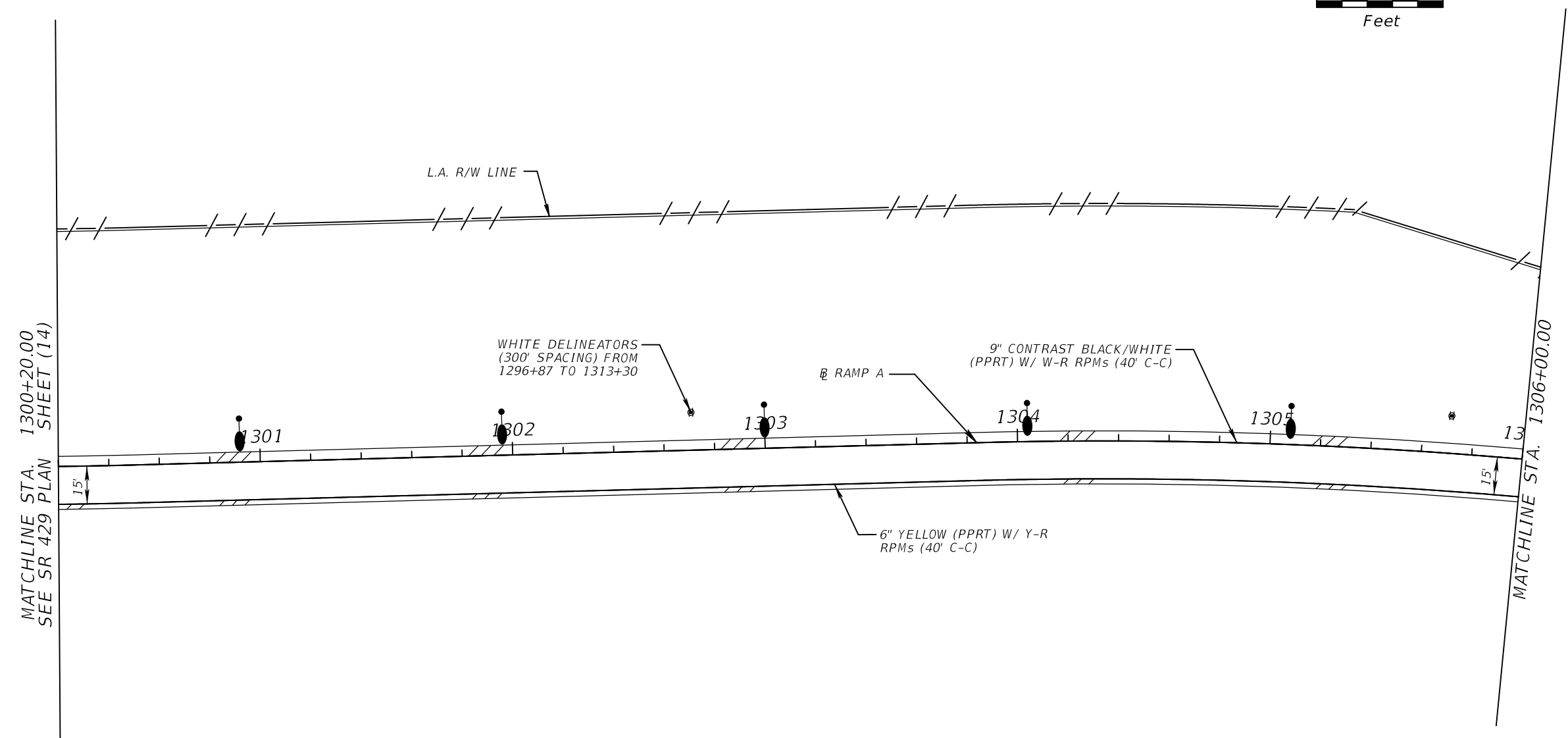
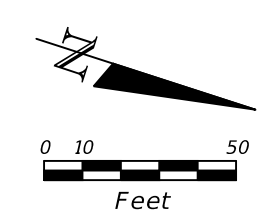
CENTRAL FLORIDA EXPRESSWAY AUTHORITY	
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CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

SR 429 PLAN SHEET (14)

SHEET
NO.

S-21



MATCHLINE STA. 1300+20.00
SEE SR 429 PLAN SHEET (14)

MATCHLINE STA. 1306+00.00

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS

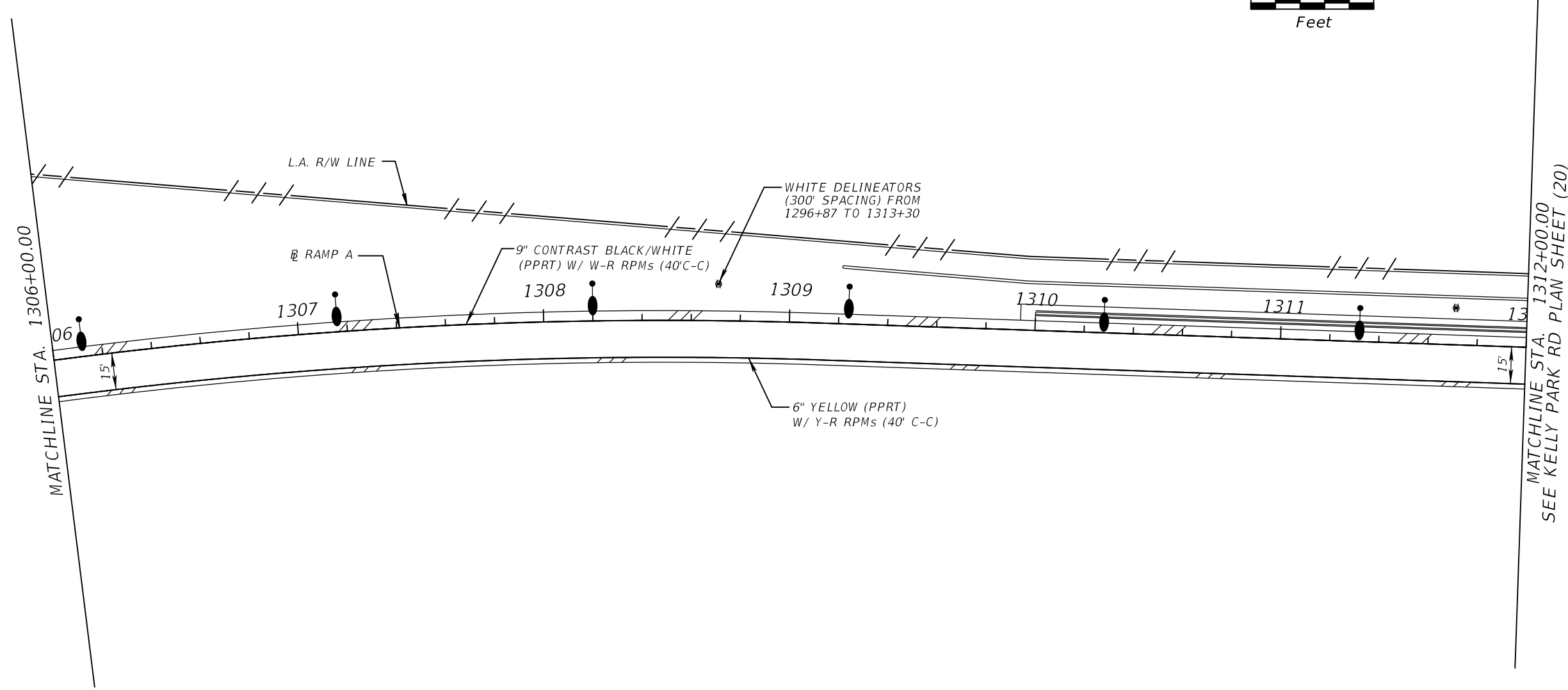
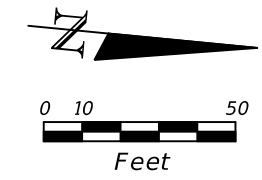
482 S. Keller Road, Orlando, FL 32810
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Susan A. Gratch P.E. No. 40134

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CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

RAMP A PLAN SHEET (15)

SHEET
NO.
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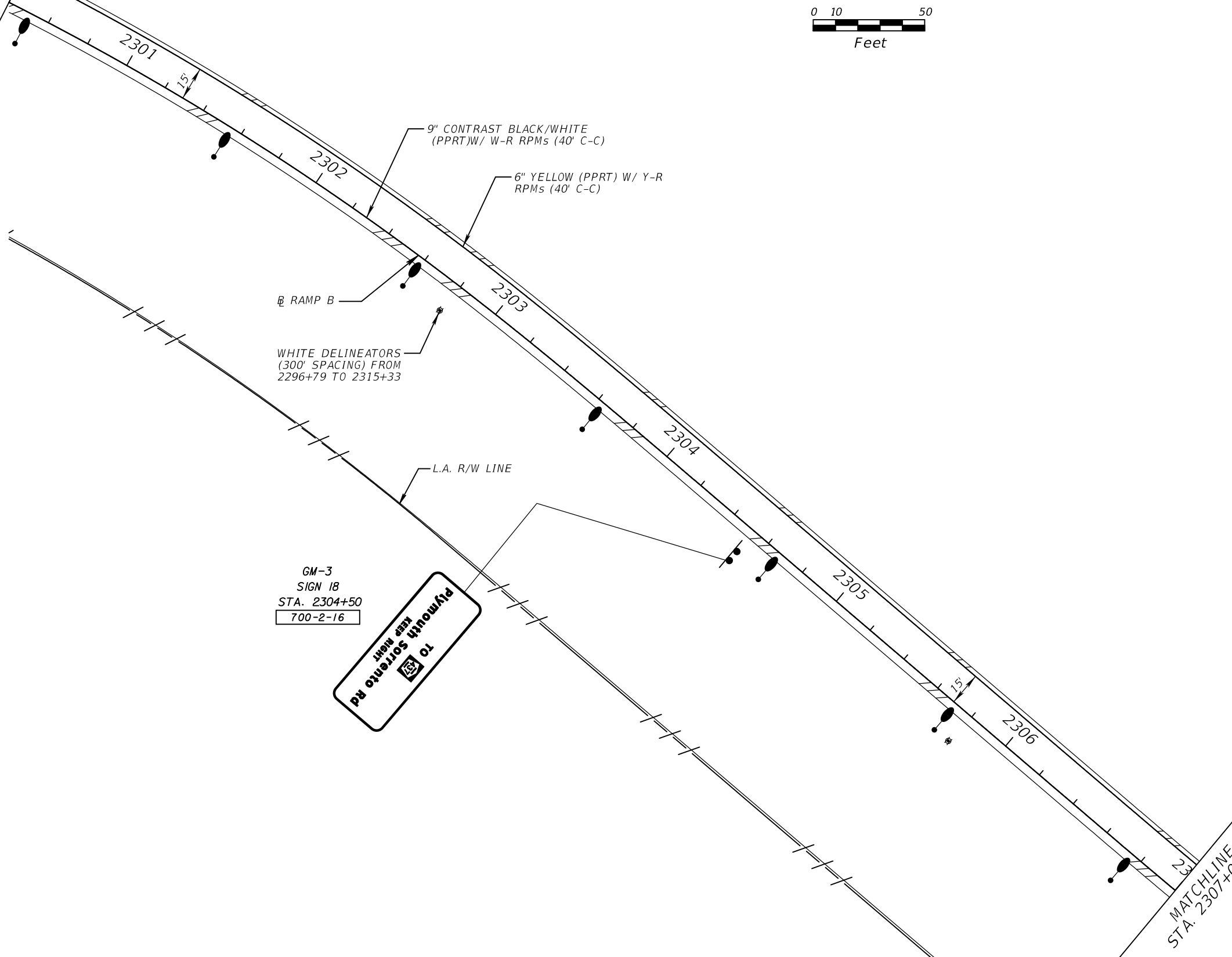
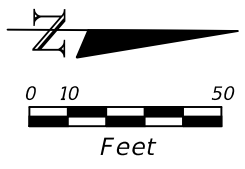
CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

RAMP A PLAN SHEET (16)

SHEET
NO.

S-23

MATCHLINE
STA. 2300+40.00
SEE SR 429 PLAN
SHEET (14)



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

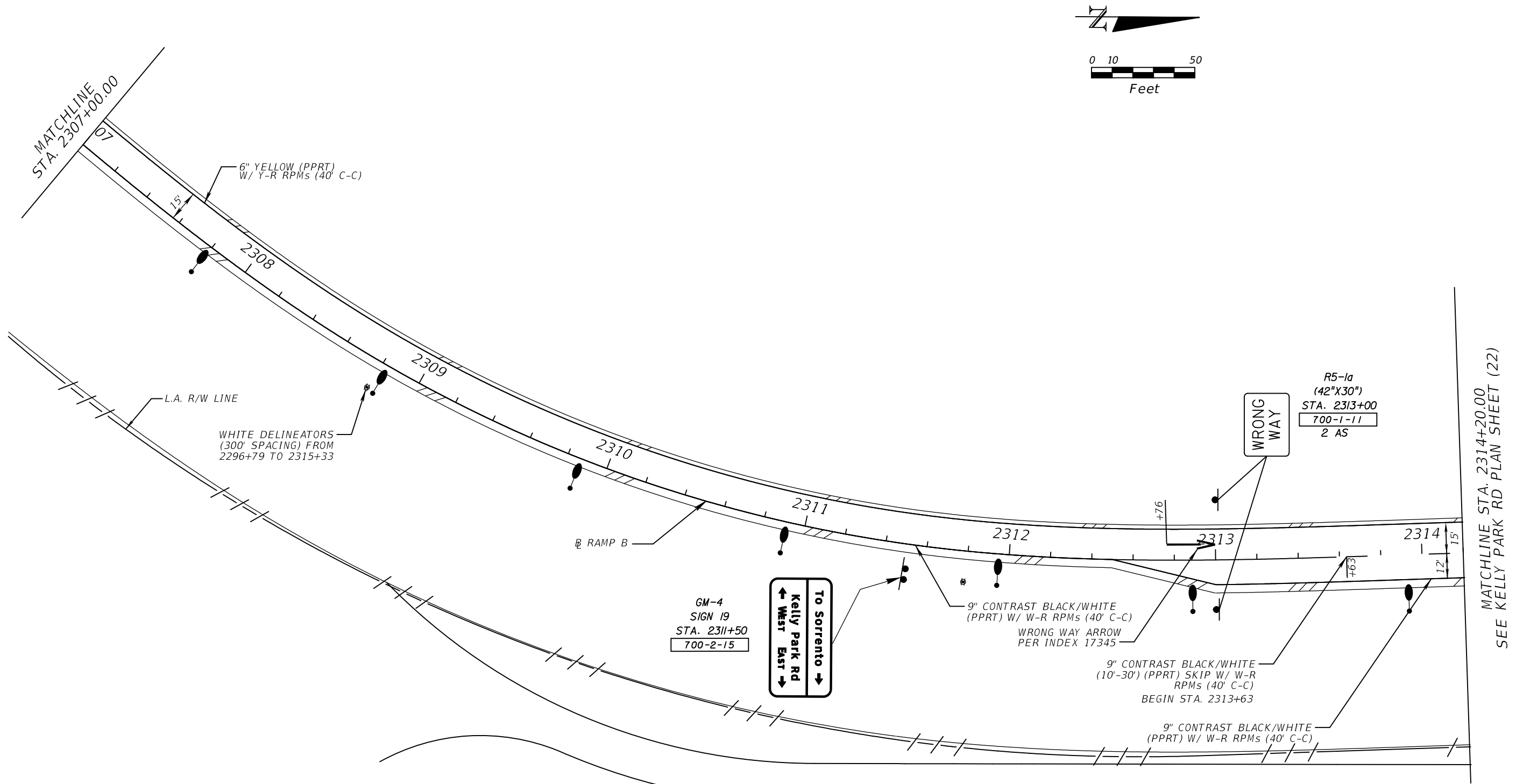
ATKINS
482 S. Keller Road, Orlando, FL 32810
Certificate of Authorization No. 24
Susan A. Gratch P.E. No. 40134

CENTRAL FLORIDA EXPRESSWAY AUTHORITY	
ROAD NO.	PROJECT NO.
SR 429	429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

RAMP B PLAN SHEET (17)

SHEET NO.
S-24



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS
 482 S. Keller Road, Orlando, FL 32810
 Certificate of Authorization No. 24
 Susan A. Gratch P.E. No. 40134

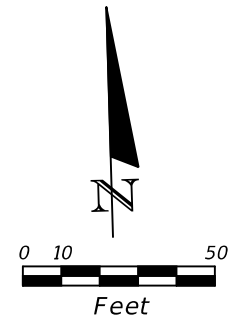
CENTRAL FLORIDA EXPRESSWAY AUTHORITY

ROAD NO.	PROJECT NO.
SR 429	429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

RAMP B PLAN SHEET (18)

SHEET NO.
S-25



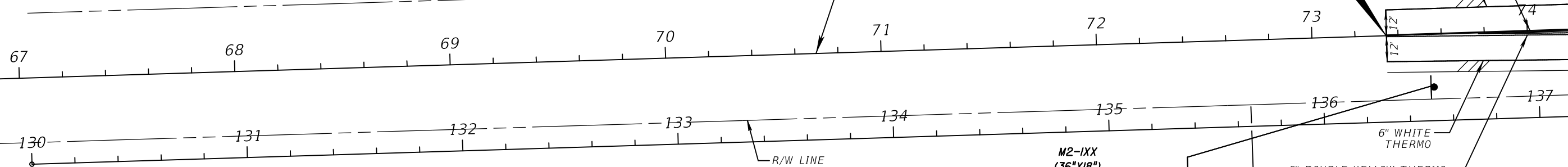
BEGIN SIGNING AND MARKING
 STA 73+34.62
 MATCH EXIST. PAVT. MARKINGS

6" DOUBLE YELLOW THERMO
 W/ Y-Y RPMs (40' C-C)

6" WHITE THERMO

R/W LINE

KELLY PARK RD



MATCHLINE STA. 74+20.00

M2-1XX
 (36"X18")
 M3-3X
 (36"X18")
 TM2
 (36"X48")
 LOGO L-2
 (30"X26")
 STA. 73+55
 700-1-13

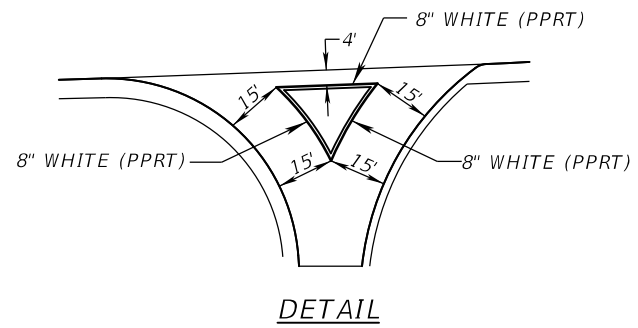
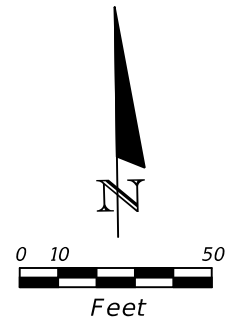
6" DOUBLE YELLOW THERMO
 W/ Y-Y RPMs (40' C-C)

6" WHITE THERMO

R/W LINE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	KELLY PARK RD PLAN SHEET (19)	SHEET NO. S-26
	ROAD NO. SR 429	PROJECT NO. 429-203			



ROAD CLOSED

BARRICADE TYPE III
R11-2
(48"X30")
STA. 4313+50 BL RAMP D @ RAMP D

@ KELLY PARK RD.
STA. 80+22.76 =
@ RAMP D STA. 4313+27.58

END @ RAMP A STA. 1314+01.70 =
@ KELLY PARK RD STA. 80+04.54

M3-3X
(36"X18")
TM2
(36"X48")
M6-1L
(30"X21")
STA. 80+80
700-1-13



R2-1
(24"X30")
STA. 78+05
700-1-11



6" DOUBLE YELLOW THERMO
W/ Y-Y RPMs (40' C-C)

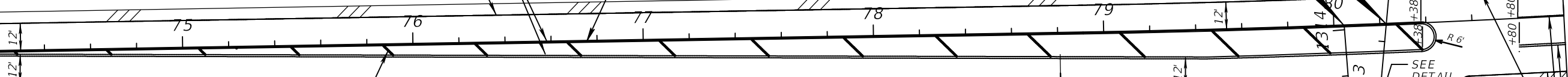
R/W LINE

6" WHITE THERMO

@ KELLY PARK RD

MATCHLINE STA. 74+20.00

MATCHLINE STA. 81+00.00



18" YELLOW THERMO
(40' C-C @ 45°)

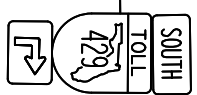
6" WHITE THERMO

@ KELLY PARK RD (FUTURE)

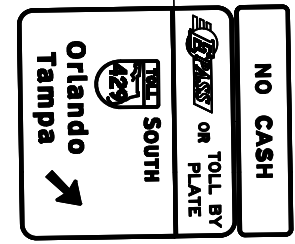
WHITE DELINEATORS
(40' SPACING) FROM
79+59 TO 1313+30

R1-2
(48"X48")
STA. 1313+51
700-1-11

M3-3X
(36"X18")
TM2
(36"X48")
M5-1R
(30"X21")
STA. 76+80
700-1-13



R/W LINE
OC-9
700-4-114
SIGN 701A
700-3-204
SIGN 23
700-3-227
STA. 78+81



M3-3X
(36"X18")
TM2
(36"X48")
M6-1R
(30"X21")
STA. 79+58
700-1-13

R5-10b
(30"X18")
STA. 1313+00
STA. 1313+30
700-1-11
2 AS

BEGIN @ RAMP D STA. 4312+88.23=
@ KELLY PARK RD (FUTURE) STA. 143+13.94

END PPRT
BEGIN THERMO
80+58

6" WHITE THERMO
W/ W-R RPMs
(20' C-C)

6" DOUBLE YELLOW
THERMO W/ Y-Y
RPMs (40' C-C)

@ RAMP A

6" YELLOW (PPRT)
W/ Y-R RPMs (40' C-C)

MATCHLINE STA. 1312+00
SEE RAMP A PLAN SHEET (16)

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS

482 S. Keller Road, Orlando, FL 32810
Certificate of Authorization No. 24
Susan A. Gratch P.E. No. 40134

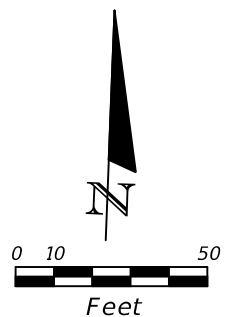
**CENTRAL FLORIDA
EXPRESSWAY AUTHORITY**

ROAD NO.	PROJECT NO.
SR 429	429-203

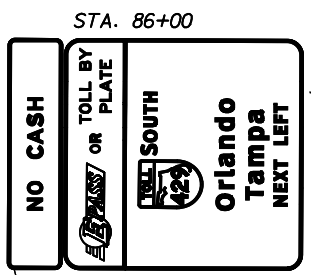
CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

KELLY PARK RD PLAN SHEET (20)

SHEET
NO.
S-27



OC-II SIGN 701A SIGN 25
 700-4-114 700-3-204 700-3-227

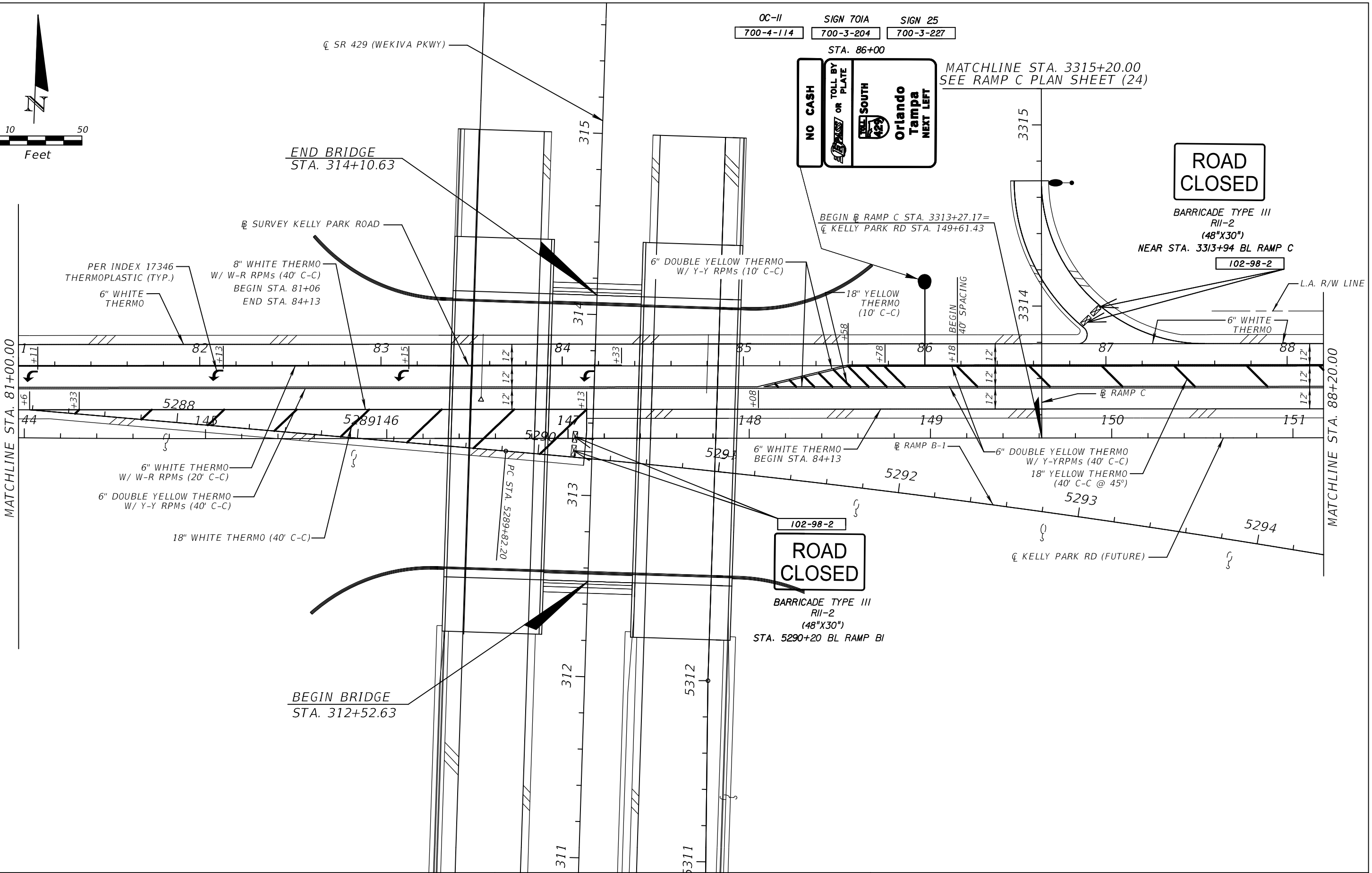


STA. 86+00
 MATCHLINE STA. 3315+20.00
 SEE RAMP C PLAN SHEET (24)



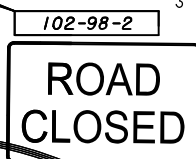
BARRICADE TYPE III
 RII-2
 (48"X30")
 NEAR STA. 3313+94 BL RAMP C

BEGIN RAMP C STA. 3313+27.17=
 CL KELLY PARK RD STA. 149+61.43



MATCHLINE STA. 81+00.00

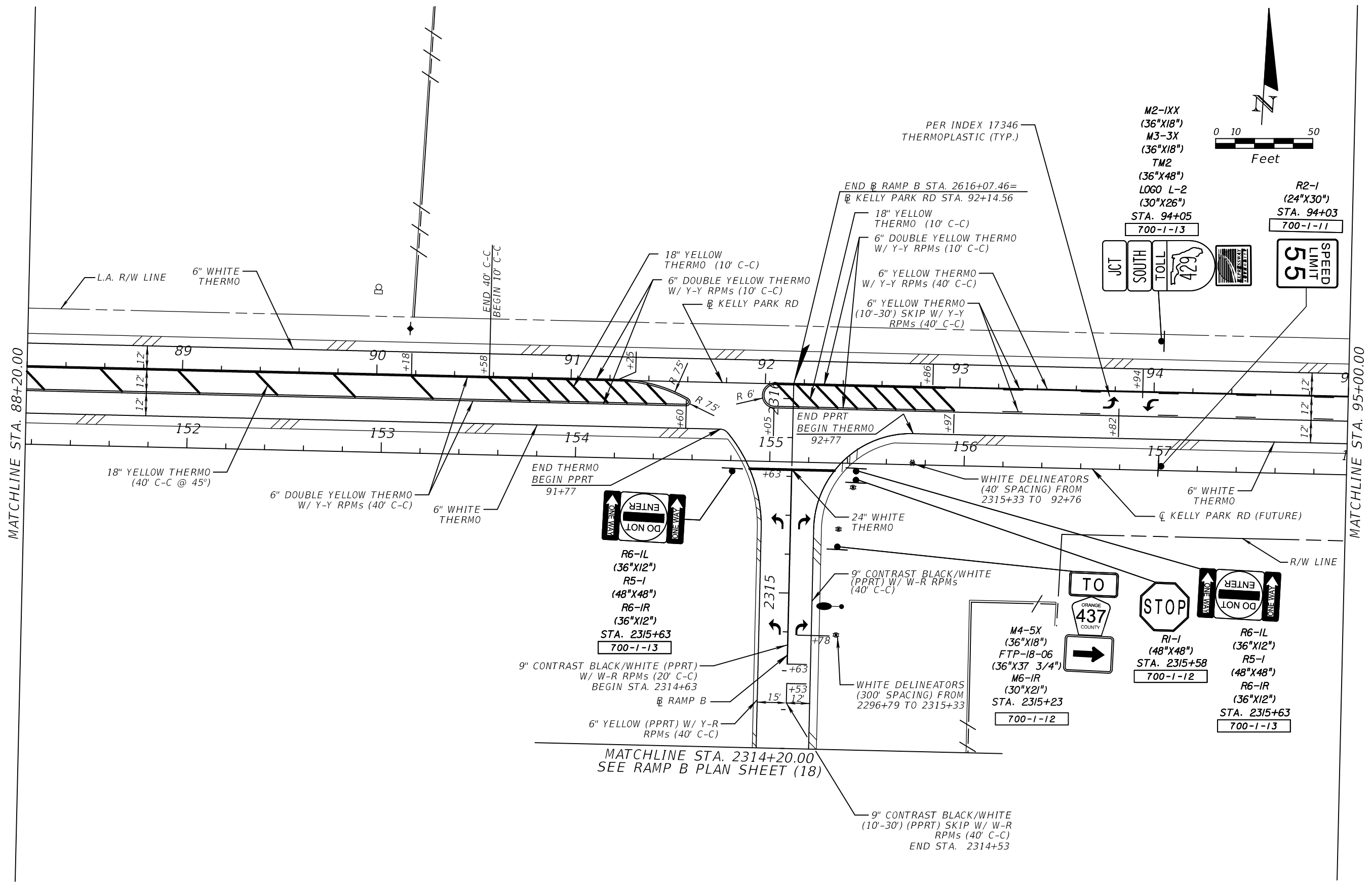
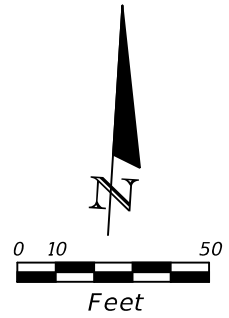
MATCHLINE STA. 88+20.00



BARRICADE TYPE III
 RII-2
 (48"X30")
 STA. 5290+20 BL RAMP B1

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	KELLY PARK RD PLAN SHEET (21)	SHEET NO.
	ROAD NO. SR 429	PROJECT NO. 429-203			S-28



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS

482 S. Keller Road, Orlando, FL 32810
Certificate of Authorization No. 24
Susan A. Gratch P.E. No. 40134

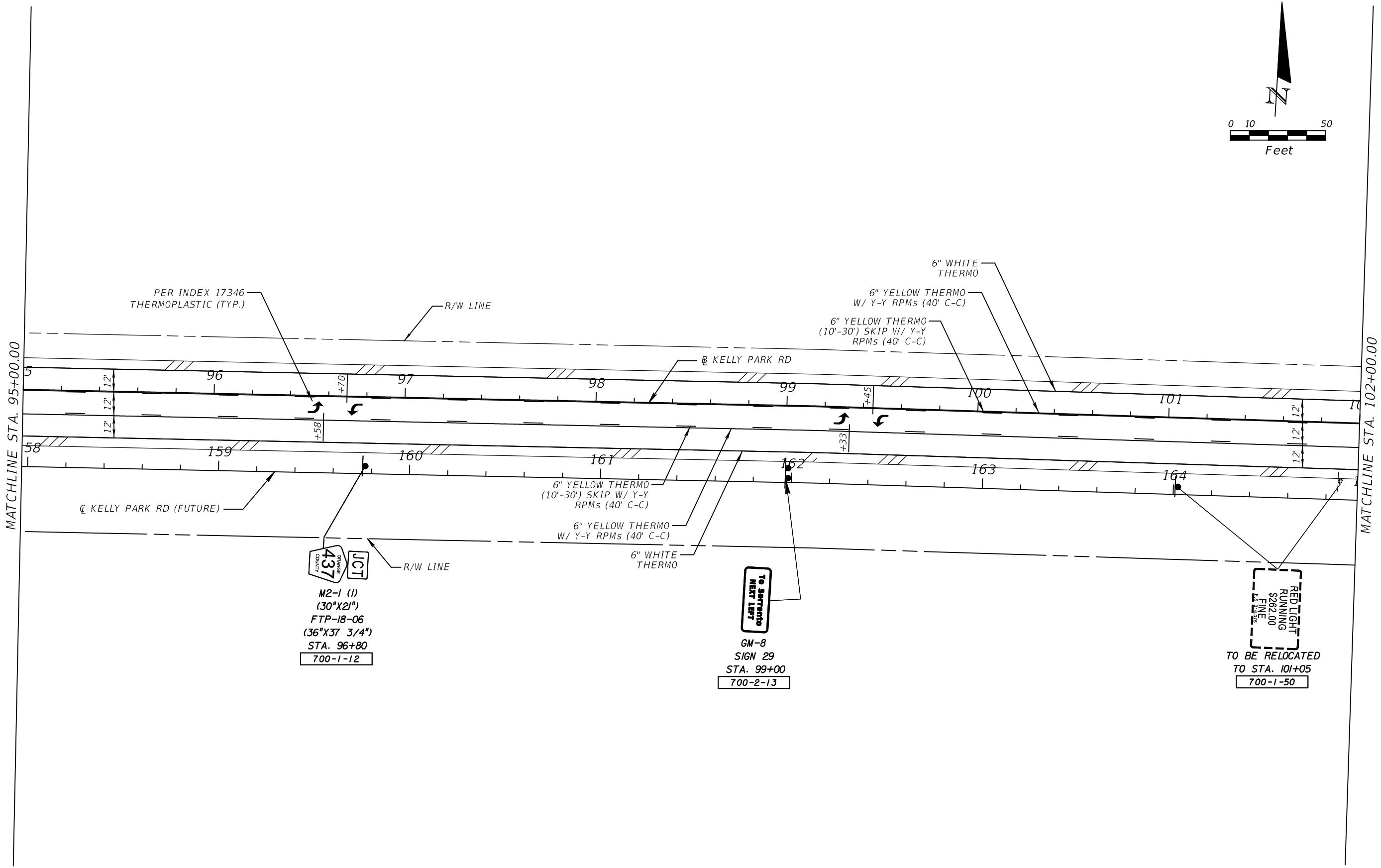
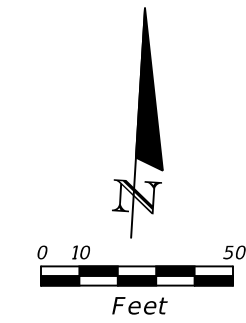
CENTRAL FLORIDA EXPRESSWAY AUTHORITY



ROAD NO.	PROJECT NO.
SR 429	429-203


CENTRAL FLORIDA EXPRESSWAY AUTHORITY


KELLY PARK RD PLAN SHEET (22)

SHEET NO.
S-29





 M2-1 (1)
 (30"x21")
 FTP-18-06
 (36"x37 3/4")
 STA. 96+80
 700-1-12


 GM-8
 SIGN 29
 STA. 99+00
 700-2-13


 TO BE RELOCATED
 TO STA. 101+05
 700-1-50

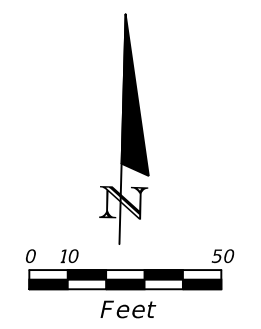
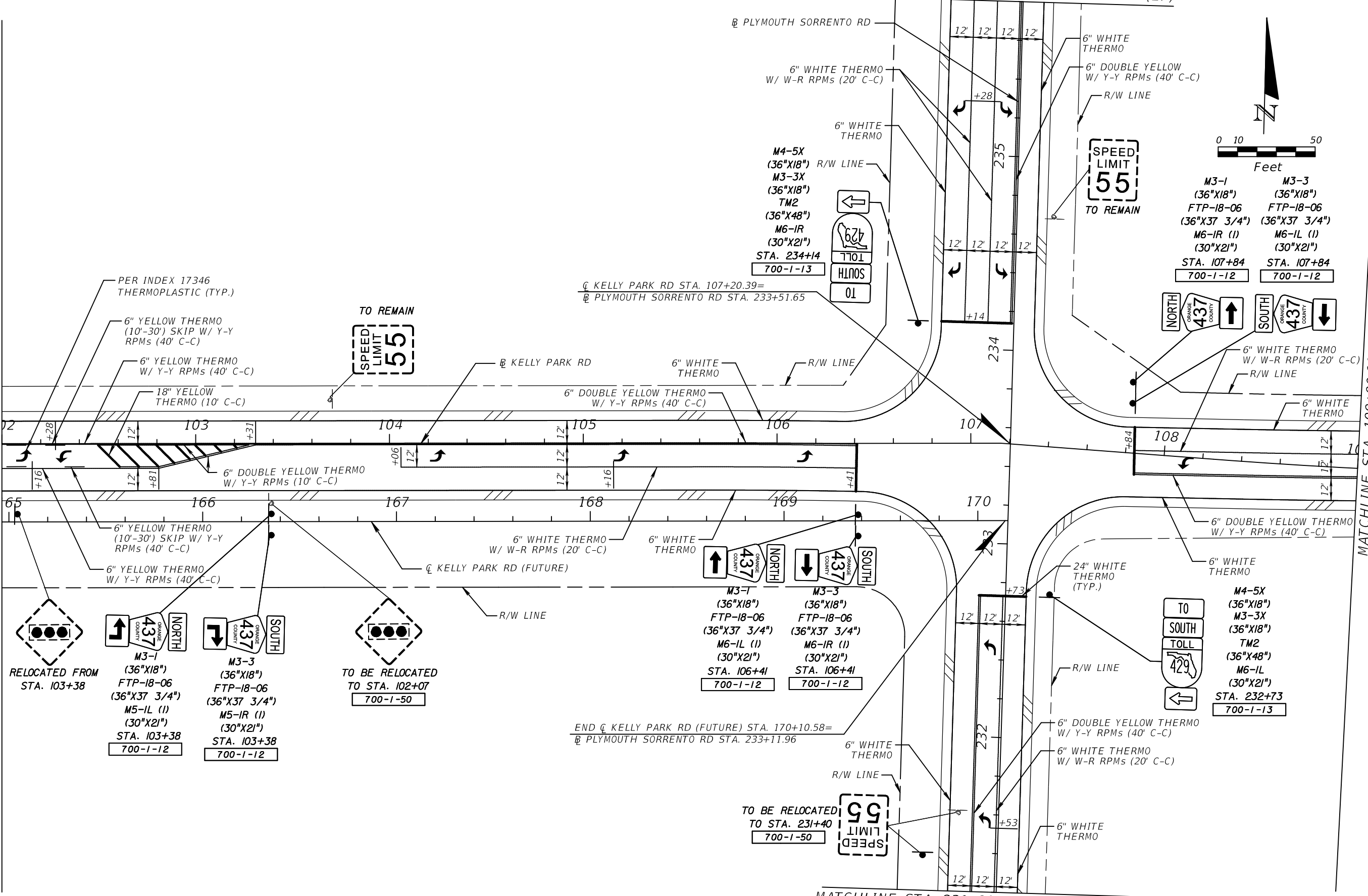
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	KELLY PARK RD PLAN SHEET (25)	SHEET NO.
	ROAD NO. SR 429	PROJECT NO. 429-203			S-30

MATCHLINE STA. 235+80.00 SEE SHEET (27)

MATCHLINE STA. 102+00.00

MATCHLINE STA. 109+00.00



SPEED LIMIT 55
TO REMAIN

SPEED LIMIT 55
TO REMAIN

SPEED LIMIT 55
TO BE RELOCATED TO STA. 231+40
700-1-50

RELOCATED FROM STA. 103+38

M3-1 (36"X18") FTP-18-06 (36"X37 3/4") M5-IL (1) (30"X21") STA. 103+38 700-1-12	NORTH ORANGE COUNTY 437	M3-3 (36"X18") FTP-18-06 (36"X37 3/4") M5-IR (1) (30"X21") STA. 103+38 700-1-12	SOUTH ORANGE COUNTY 437
--	-------------------------------	--	-------------------------------

TO BE RELOCATED TO STA. 102+07
700-1-50

M3-1 (36"X18") FTP-18-06 (36"X37 3/4") M6-IL (1) (30"X21") STA. 106+41 700-1-12	NORTH ORANGE COUNTY 437	M3-3 (36"X18") FTP-18-06 (36"X37 3/4") M6-IR (1) (30"X21") STA. 106+41 700-1-12	SOUTH ORANGE COUNTY 437
--	-------------------------------	--	-------------------------------

M4-5X (36"X18") M3-3X (36"X18") TM2 (36"X48") M6-IR (30"X21") STA. 232+73 700-1-13	TO SOUTH TOLL 429
---	----------------------

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

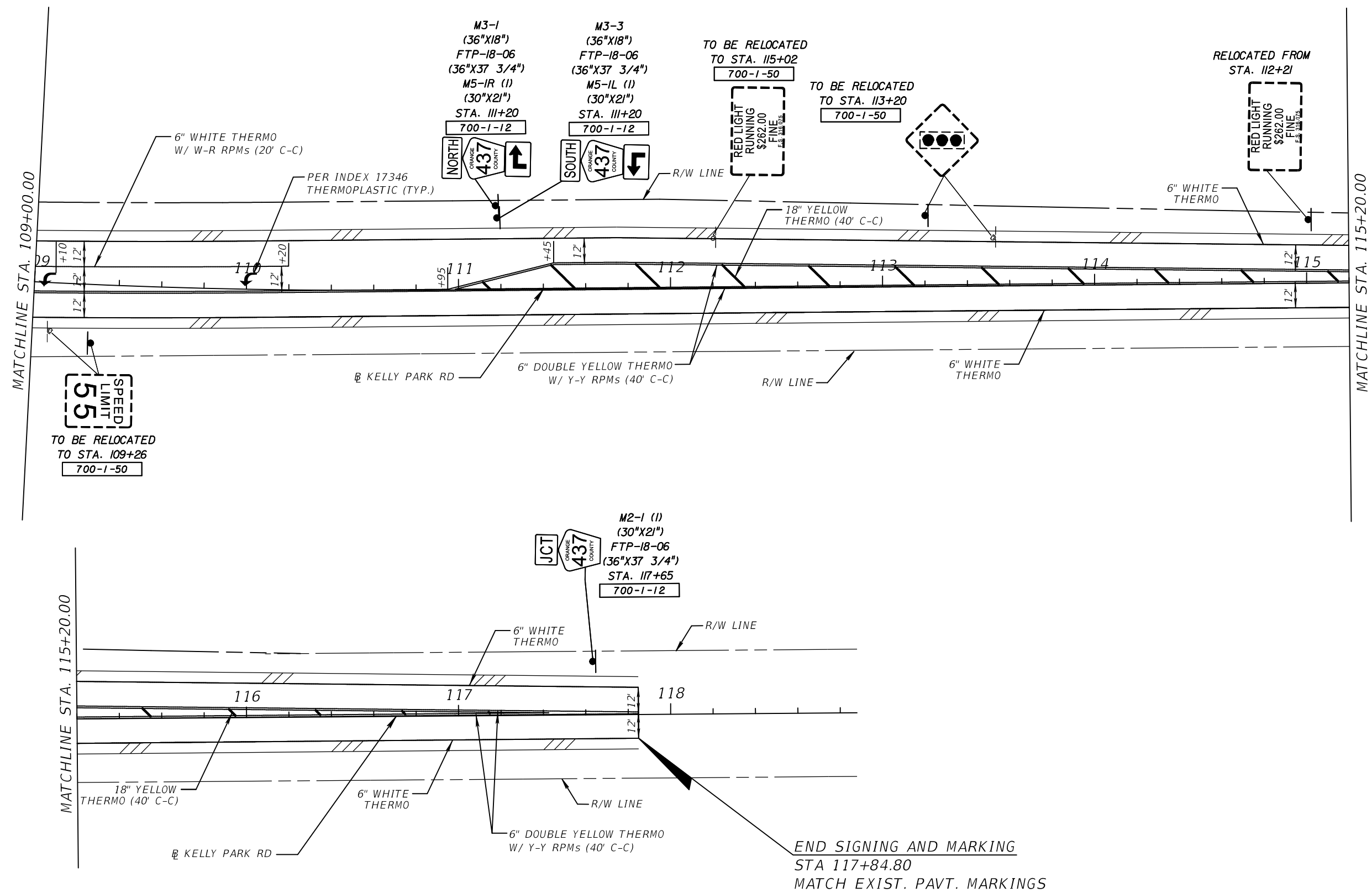
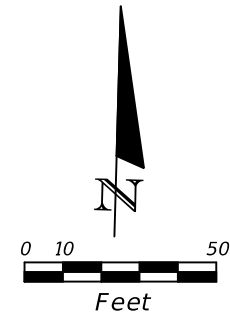
ATKINS
482 S. Keller Road, Orlando, FL 32810
Certificate of Authorization No. 24
Susan A. Gratch P.E. No. 40134

CENTRAL FLORIDA EXPRESSWAY AUTHORITY
ROAD NO. SR 429
PROJECT NO. 429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

KELLY PARK RD PLAN SHEET (24)

SHEET NO. S-31



SPEED LIMIT 55
 TO BE RELOCATED
 TO STA. 109+26
 700-1-50

M3-1
 (36"X18")
 FTP-18-06
 (36"X37 3/4")
 M5-1R (1)
 (30"X21")
 STA. 111+20
 700-1-12

M3-3
 (36"X18")
 FTP-18-06
 (36"X37 3/4")
 M5-1L (1)
 (30"X21")
 STA. 111+20
 700-1-12

TO BE RELOCATED
 TO STA. 115+02
 700-1-50

TO BE RELOCATED
 TO STA. 113+20
 700-1-50

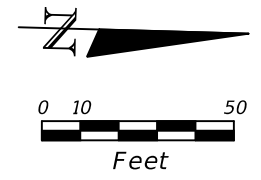
RELOCATED FROM
 STA. 112+21

JCT
 437
 COUNTY
 M2-1 (1)
 (30"X21")
 FTP-18-06
 (36"X37 3/4")
 STA. 117+65
 700-1-12

END SIGNING AND MARKING
 STA 117+84.80
 MATCH EXIST. PAVT. MARKINGS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

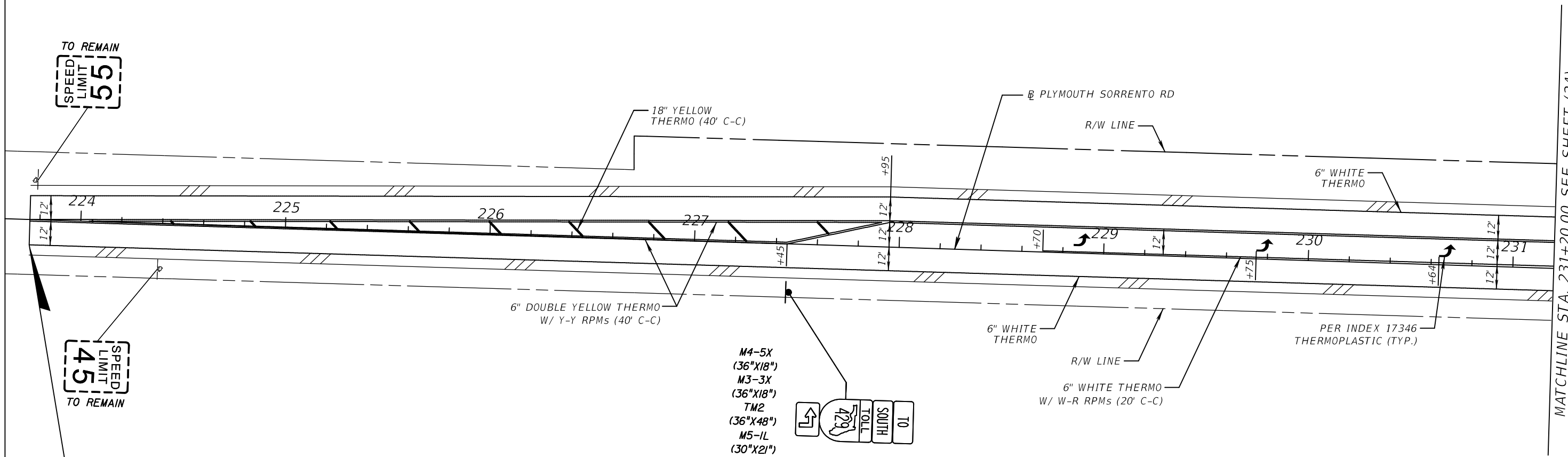
ATKINS 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	KELLY PARK RD PLAN SHEET (25)	SHEET NO.
	ROAD NO.	PROJECT NO.			S-32
SR 429	429-203				



TO REMAIN
SPEED LIMIT
55

TO REMAIN
SPEED LIMIT
45

BEGIN SIGNING AND MARKING
STA 223+75.06
MATCH EXIST. PAVT. MARKINGS



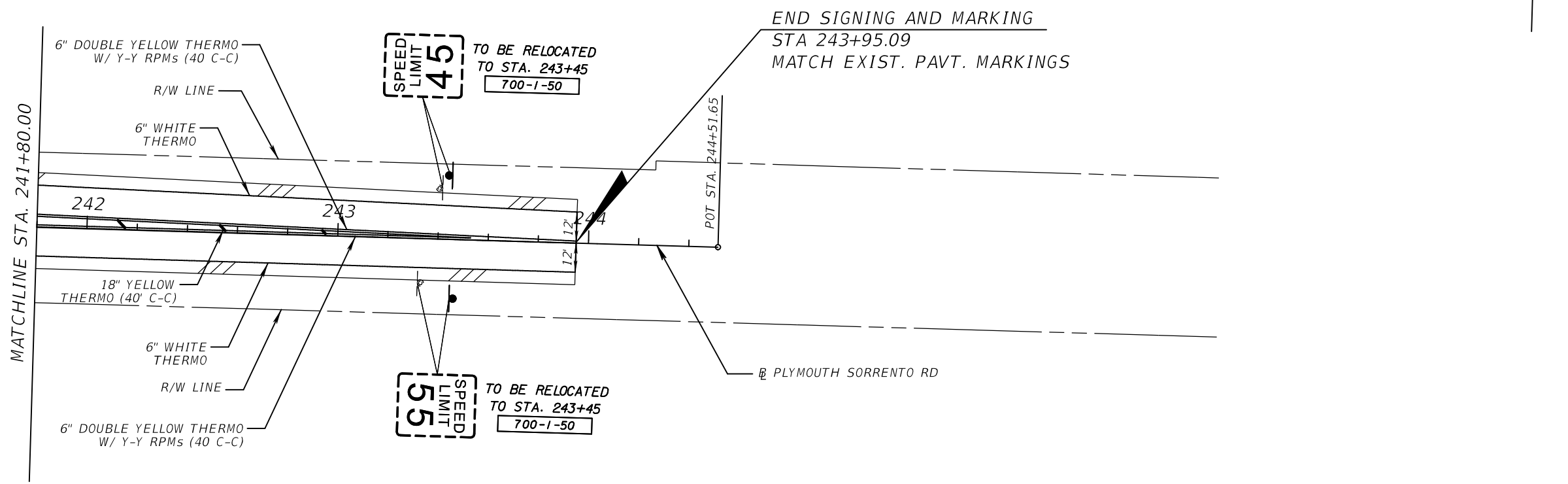
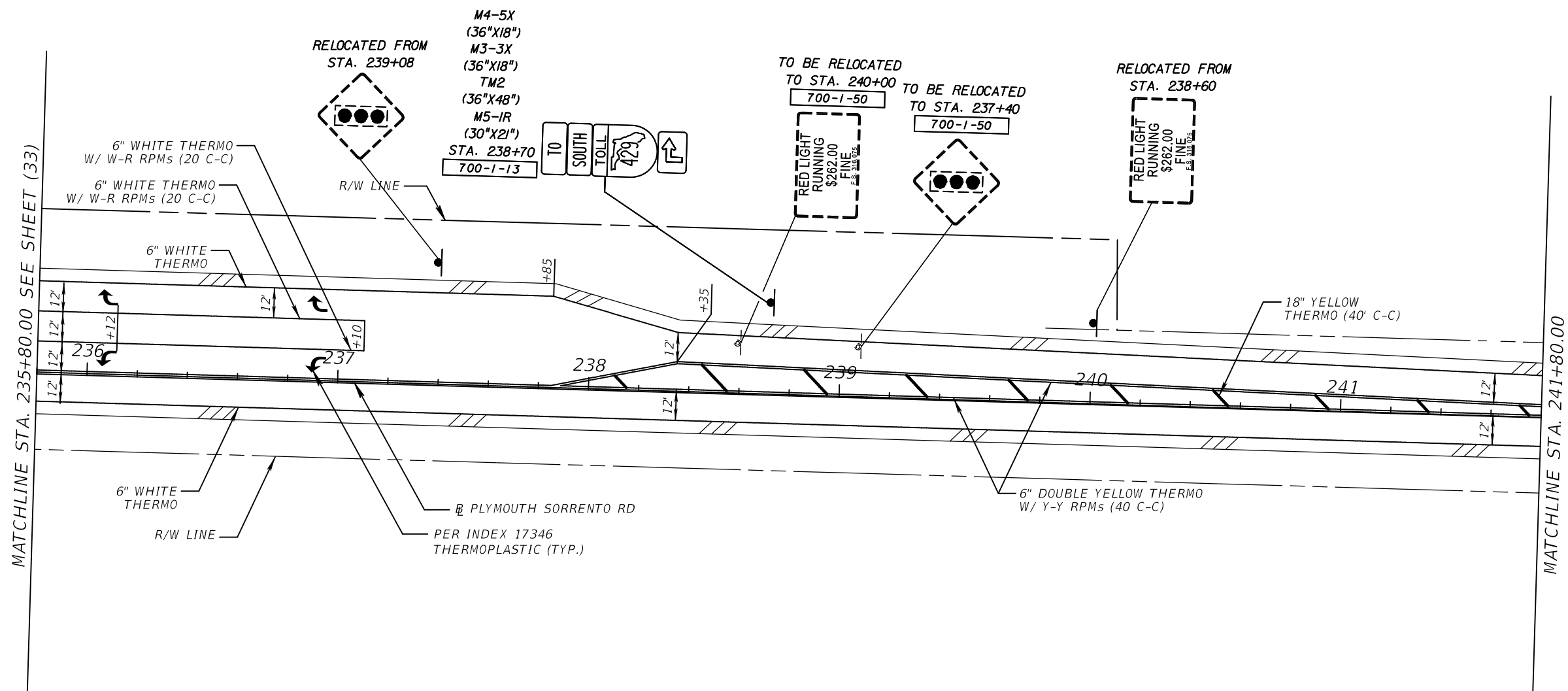
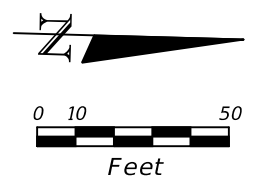
M4-5X
(36"X18")
M3-3X
(36"X18")
TM2
(36"X48")
M5-1L
(30"X21")
STA. 227+45
700-1-13



MATCHLINE STA. 231+20.00 SEE SHEET (24)

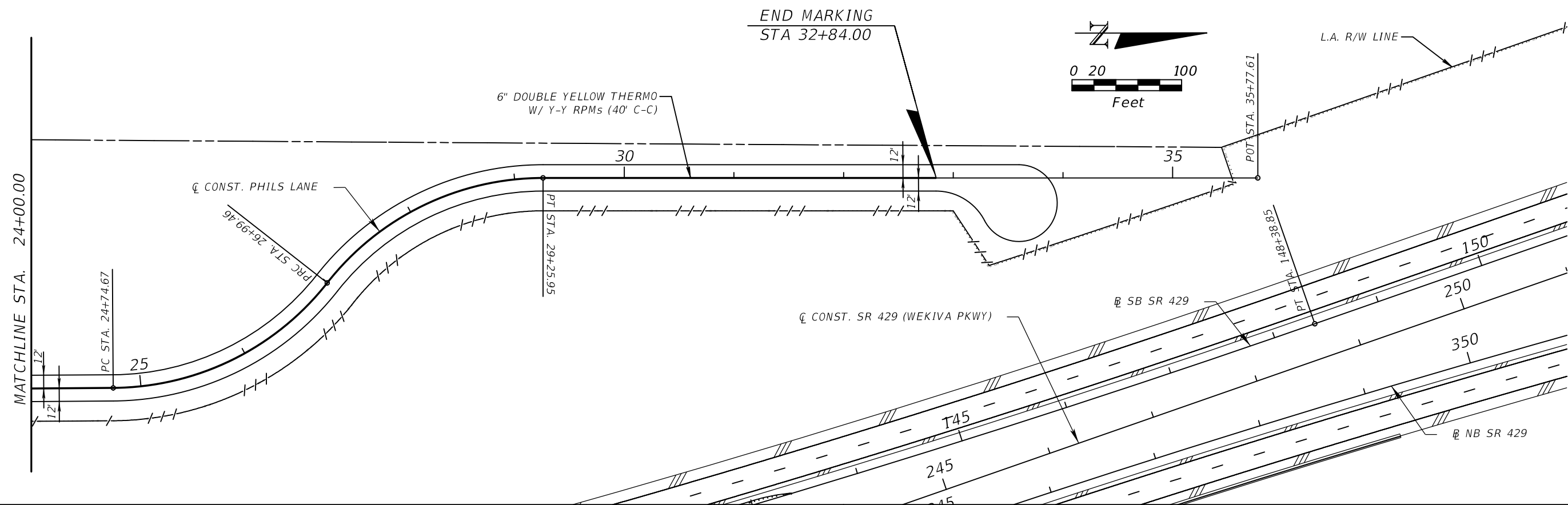
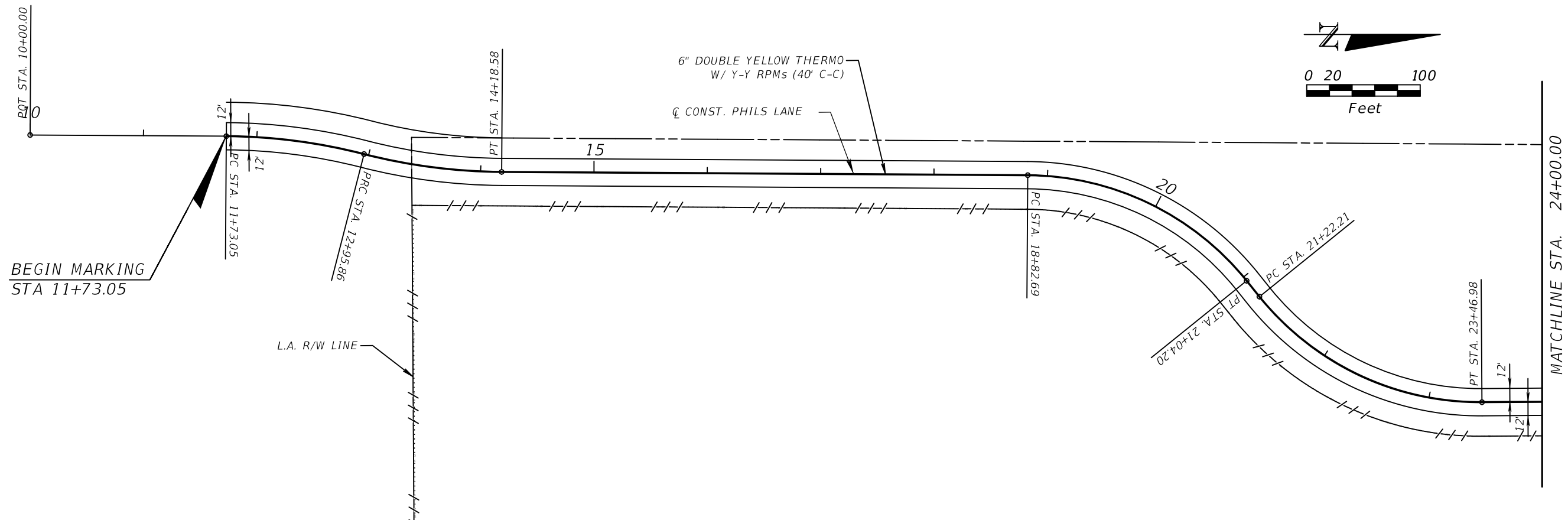
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	PLYMOUTH SORRENTO RD (26)	SHEET NO.
	ROAD NO. SR 429	PROJECT NO. 429-203			S-33



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	PLYMOUTH SORRENTO RD SHEET (27)	SHEET NO.
	ROAD NO.	PROJECT NO.			S-34
SR 429	429-203				



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS
 482 S. Keller Road, Orlando, FL 32810
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 Susan A. Gratch P.E. No. 40134

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

ROAD NO.	PROJECT NO.
SR 429	429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

PHILS LANE SHEET (28)

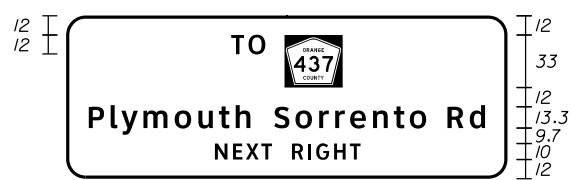
SHEET NO.
S-35

Sign	12
Quantity	1
Width	18'-0"
Height	7'-0"
Border Width	2"
Border Radii	11"
Border Inset	0"
Background Color	Green
Legend/Border Color	White
Sheeting	DG3
Arrow Size (Angle)	
Station/Structure	342+25.00/OC-2



Copy Spacing		Length	Size/Series
11.7	E X I T 3 8	66.6	15/10 CV4W
17.8	K e l l y P a r k R d	180.5	16 CV5W
82.8	1 M I L E	50.4	15/10 CV4W

Sign	13
Quantity	1
Width	23'-0"
Height	8'-6"
Border Width	2"
Border Radii	12"
Border Inset	0"
Background Color	Green
Legend/Border Color	White
Sheeting	DG3
Arrow Size (Angle)	
Station/Structure	357+00.00/GM-1



SHIELD 31" X 30"
BACKGROUND 34" X 33"

Copy Spacing		Length	Size/Series
104.4	T O 437	67.2	12 CV4W
14.8	P l y m o u t h S o r r e n t o R d	246.4	13.3 CV5W
92.4	N E X T R I G H T	91.1	10 CV4W

Sign	14
Quantity	1
Width	18'-0"
Height	7'-0"
Border Width	2"
Border Radii	11"
Border Inset	0"
Background Color	Green
Legend/Border Color	White
Sheeting	DG3
Arrow Size (Angle)	
Station/Structure	368+65.00/OC-3



Copy Spacing		Length	Size/Series
17.8	K e l l y P a r k R d	180.5	16 CV5W
76	1/2 M I L E	64.1	10 CV4W

NOTES: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES. END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS
482 S. Keller Road, Orlando, FL 32810
Certificate of Authorization No. 24
Susan A. Gratch P.E. No. 40134

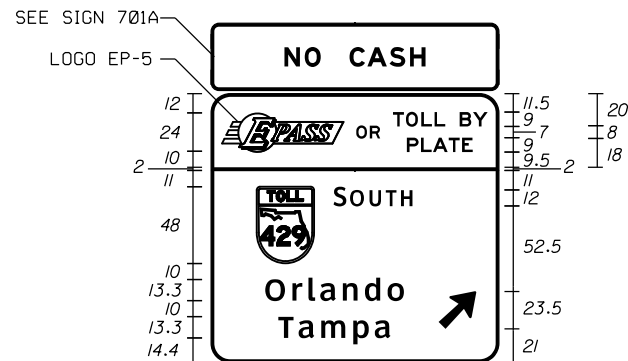
CENTRAL FLORIDA EXPRESSWAY AUTHORITY	
ROAD NO.	PROJECT NO.
SR 429	429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

GUIDE SIGN WORKSHEET
SIGNS 12, 13, 14

SHEET NO.
S-36

Sign	23
Quantity	1
Width	15'-0"
Height	14'-0"
Border Width	2"
Border Radii	12"
Border Inset	0"
Background Color	Green/White
Legend/Border Color	White/Black
Sheeting	DG3
Arrow Size (Angle)	18.25"x30.0" (45°)
Station/Structure	78+81.00/OC-9



- SEE EPASS LOGO EP-5 DETAILS
- USE SHIELD TM2

Copy Spacing													Length	Size/Series
6.9	75.9	8	15.1	8	32.7	L	9	17.5	6.9				166.2	8 & 9 E
	P	L	A	T	E								41.2	9 E
122.9			41.2		15.9									
	S	O	U	T	H								97.5	12/10 CV4W
41.2	36	12		49.5		54								
	O	r	i	a	n	d	o						132.1	13.3 CV5W
28.5								21.9	23.5	14				
	T	a	m	p	a								70.1	13.3 CV5W
33.9														
42.2			70.1		65.8									

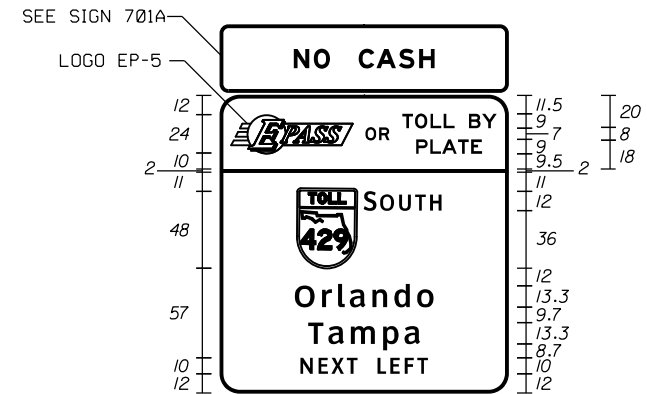
Sign	29
Quantity	1
Width	8'-6"
Height	3'-0"
Border Width	1"
Border Radii	5"
Border Inset	0"
Background Color	Green
Legend/Border Color	White
Sheeting	DG3
Arrow Size (Angle)	
Station/Structure	99+00.00/GM-8



Copy Spacing													Length	Size/Series
10.4	14.2	10		S	o	r	r	e	n	t	o	10.3	81.3	8 CV5W
	N	E	X	T		L	E	F	T				47.9	6 CV4W
27.1		21.4		7.5		19		27						

NOTES: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

Sign	25
Quantity	1
Width	15'-0"
Height	15'-6"
Border Width	2"
Border Radii	12"
Border Inset	0"
Background Color	Green/White
Legend/Border Color	White/Black
Sheeting	DG3
Arrow Size (Angle)	
Station/Structure	86+00.00/OC-11



- SEE EPASS LOGO EP-5 DETAILS
- USE SHIELD TM2

Copy Spacing													Length	Size/Series
6.9	75.9	8	15.1	8	32.7	L	9	17.5	6.9				166.2	8 & 9 E
	P	L	A	T	E								41.2	9 E
122.9			41.2		15.9									
	S	O	U	T	H								97.5	12/10 CV4W
41.2	36	12		49.5		54								
	O	r	i	a	n	d	o						132.1	13.3 CV5W
28.5								21.9	23.5	14				
	T	a	m	p	a								70.1	13.3 CV5W
33.9														
42.2			70.1		65.8									

Sign	32
Quantity	1
Width	14'-0"
Height	8'-6"
Border Width	2"
Border Radii	12"
Border Inset	0"
Background Color	Yellow
Legend/Border Color	Black
Sheeting	DG3
Arrow Size (Angle)	
Station/Structure	375+34.00/GM-9



SPACING BETWEEN LETTERS HAS BEEN INCREASED BY 10%

Copy Spacing													Length	Size/Series
17.5		L	E	F	T			L	A	N	E	17.5	133	15 EM
		E	N	D	S								59.1	15 EM
54.5			59.1		54.4									
		4	O	O		F	E	E	T				122.1	15 EM
23.0			46.4		22.5		53.2		22.9					

END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

REVISIONS				ATKINS	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GUIDE SIGN WORKSHEET	SHEET NO.
DATE	BY	DESCRIPTION	DESCRIPTION					
				482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	ROAD NO. SR 429	PROJECT NO. 429-203	SIGNS 23, 25, 29, 32	S-38

Sign	701A
Quantity	2
Width	15'-0"
Height	3'-0"
Border Width	2"
Border Radii	5"
Border Inset	0"
Background Color	Yellow
Legend/Border Color	Black/Black
Sheeting	DG3
Arrow Size (Angle)	
Station/Structure	

NO CASH $\frac{1}{2}$
 $\frac{1}{2}$

SPACING BETWEEN LETTERS HAS BEEN INCREASED BY 10%

Copy Spacing													Length				
	N	O		C	A	S	H										
45.4	23	18			48.2			45.4								89.2	12 EM

Sign	702
Quantity	2
Width	18'-0"
Height	3'-0"
Border Width	2"
Border Radii	5"
Border Inset	0"
Background Color	Yellow
Legend/Border Color	Black/Black
Sheeting	DG3
Arrow Size (Angle)	
Station/Structure	

EXPRESSWAY ENDS $\frac{1}{2}$
 $\frac{1}{2}$

- SIGN TO BE INSTALLED ON SIGN 12 AND SIGN 14

SPACING BETWEEN LETTERS HAS BEEN INCREASED BY 10%

Copy Spacing													Length		Size/Series									
	E	X	P	R	E	S	S	W	A	Y		E	N	D	S									
13.8						123.2						18.0			47.3			13.7				188.5	12 EM	

Sign	703
Quantity	1
Width	21'-6"
Height	3'-0"
Border Width	2"
Border Radii	5"
Border Inset	0"
Background Color	Yellow
Legend/Border Color	Black/Black
Sheeting	DG3
Arrow Size (Angle)	
Station/Structure	

ALL TRAFFIC $\frac{1}{2}$
 $\frac{1}{2}$

SIGN TO BE INSTALLED ON SIGN 16

SPACING BETWEEN LETTERS HAS BEEN INCREASED BY 10%

Copy Spacing													Length		Size/Series									
	A	L	L		T	R	A	F	F	I	C													
65.1			34.4		18.0					75.5						65.0							127.9	12 EM

NOTES: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS
482 S. Keller Road, Orlando, FL 32810
Certificate of Authorization No. 24
Susan A. Gratch P.E. No. 40134

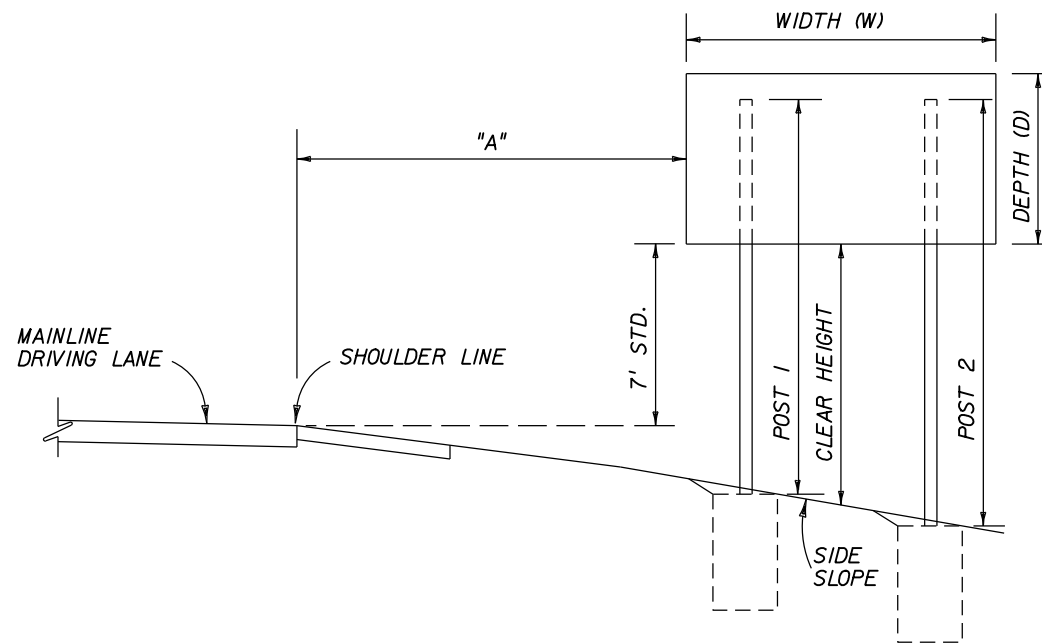
CENTRAL FLORIDA EXPRESSWAY AUTHORITY
ROAD NO. SR 429
PROJECT NO. 429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

GUIDE SIGN WORKSHEET
SIGNS 701A, 702, 703

SHEET NO. S-39

MULTI-POST SIGN DATA											
HORIZONTAL CLEARANCE (A) (ft)	BASELINE	STATION	SIDE	SIGN NO.	SIGN SIZE (D x W) (ft)	SIDE SLOPE (RUN:RISE)	CLEAR HEIGHT (ft)	NO. OF POSTS	AVERAGE LENGTH OF POSTS (ft)	STEEL POSTS	ALUMINUM I-BEAMS
40' FROM EDGE OF TRAVEL LANE	@ NB SR 429	357+00	RT	GM-1	8'-6" x 23'-0"	4:1/3:1	12.22	2/3	19.987	2 W10 X 33	3 1 12 X 14.292
18' FROM EDGE OF TRAVEL LANE	@ RAMP B	2304+50	RT	GM-3	7'-0" x 18'-6"	6:1	10.85	2	17.335	W8 X 18	1 12 X 14.292
18' FROM EDGE OF TRAVEL LANE	@ RAMP B	2311+50	RT	GM-4	5'-6" x 10'-6"	6:1	9.70	2	14.545	W6 X 12	1 9 X 8.361
12' FROM EDGE OF TRAVEL LANE	@ KELLY PARK RD	99+00	RT	GM-8	3'-0" x 8'-6"	6:1	8.96	2	11.830	W6 X 12	1 6 X 4.030
4' FROM FACE OF GUARDRAIL	@ NB SR 429	375+34	RT	GM-9	8'-6" x 14'-0"	6:1/3:1	7.00	2	14.768	W8 X 18	1 9 X 8.361



TYPICAL SECTION FOR
PLACEMENT OF MULTI-POST SIGNS

NOTES:

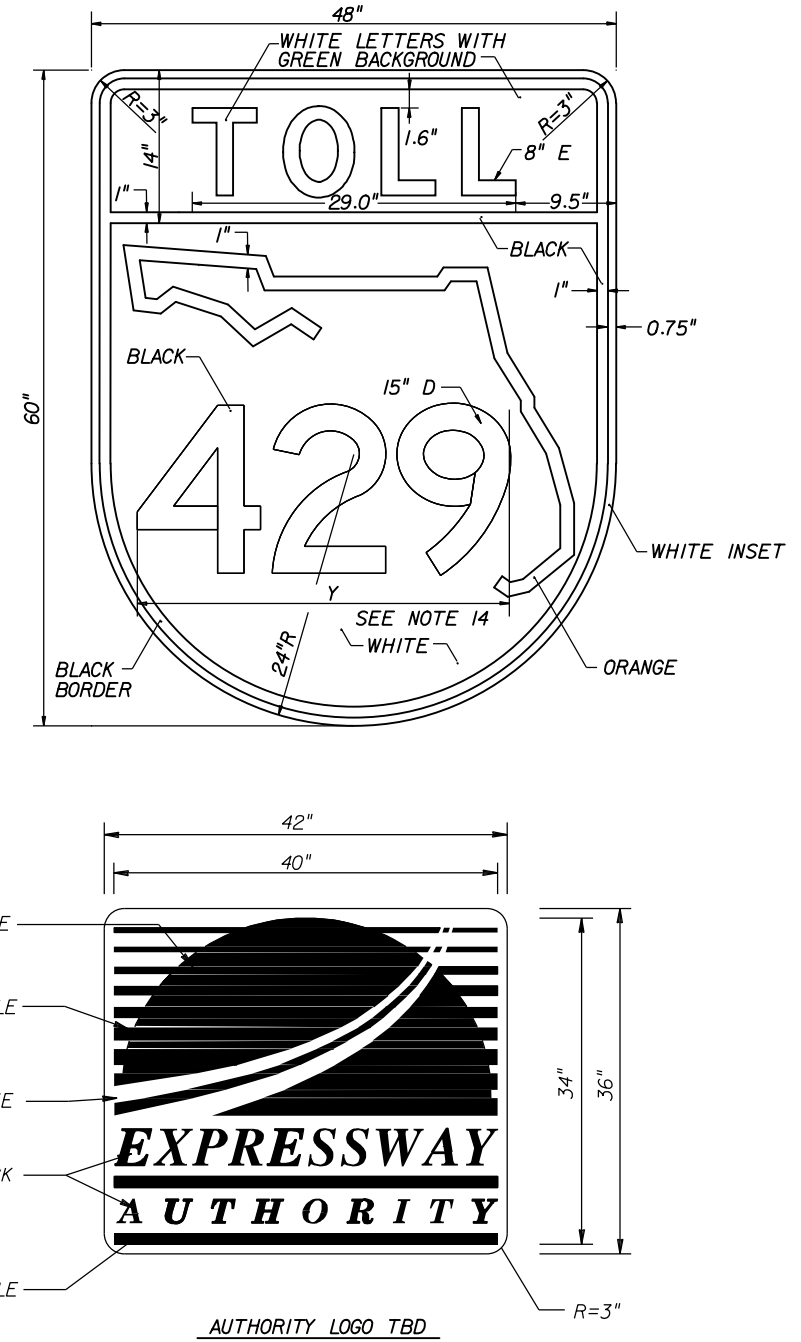
- FOR ADDITIONAL DETAILS AND NOTES SEE STANDARD INDEX NOS. 11200 AND 17302.
- AUXILIARY SIGN PANELS ARE ATTACHED IN ACCORDANCE WITH STANDARD INDEX NO. 13417. THESE AUXILIARY PANELS CAN BE CENTERED, LEFT OR RIGHT JUSTIFIED PER PLANS.
- CLEAR HEIGHT IS THE DISTANCE BETWEEN THE BOTTOM OF THE MAIN SIGN PANEL AND THE GROUND AT THE CENTER OF THE MAIN SIGN PANEL.
- AVERAGE LENGTH OF POSTS COLUMN IS APPLICABLE TO STEEL POSTS, ALUMINUM BEAMS AND ALUMINUM TUBES. CONTRACTOR SHALL CONFIRM ALL POST LENGTHS PRIOR TO FABRICATION.
- SIGN ASSEMBLIES ARE DESIGNED FOR 130 MPH WINDSPEED AND SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 2001 EDITION.

REVISIONS						ATKINS 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	MULTI-POST SIGN TABLE OF VARIABLES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	PROJECT NO.			
							SR 429	429-203			

1. PANELS SHALL BE FABRICATED USING 3M COMPANY DIAMOND GRADE CUBED (DG3) SHEETING OR AUTHORITY APPROVED EQUAL.
2. MAIN PANEL:
 - BACKGROUND: GREEN
 - BORDER: WHITE
 - BORDER WIDTH: 1"
 - CORNER RADII: 3"
3. CARDINAL DIRECTION: WHITE
4. MAKE FIRST LETTER OF CARDINAL DIRECTION 20% LARGER MINIMUM. ALL LETTERS ARE BOTTOM JUSTIFIED.
5. TOLL SHIELD AND LOGO SPECIAL COLORS:
 - ORANGE: 3M COMPANY EC FILM NO. I174 OR AUTHORITY APPROVED EQUAL.
6. LOGO L-6 SHALL BE CENTERED WITHIN A 42"x36" WHITE RECTANGLE. THE WHITE RECTANGLE SHALL BE USED IN VERTICAL AND HORIZONTAL PANEL DIMENSIONING.
7. GRAPHIC FILES FOR THE TOLL SHIELD AND LOGO CAN BE PROVIDED FOR USE IN FABRICATION UPON REQUEST.
8. FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM I170 CLEAR ON THE AUTHORITY DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M COMPANY 1-800-553-1380.
9. ALL DIMENSIONS ON SHEET ARE IN INCHES.
10. IF A COLOR AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY PRODUCTS ARE TO BE USED, CONTRACTOR SHALL PROVIDE A 4" X 4" SAMPLE IN ALL COLORS. NO FABRICATION SHALL COMMENCE UNTIL THE SAMPLE HAS BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM THE AUTHORITY. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
11. DETAILED SHOP DRAWINGS ARE REQUIRED. ONE REPRESENTATIVE SHOP DRAWING PER CARDINAL DIRECTION MAY BE SUBMITTED PROVIDED THE APPROPRIATE QUANTITY IS SHOWN PER DIRECTION.
12. FABRICATOR SHALL USE STATE OUTLINE CONFIGURATION SHOWN IN TOLL SHIELD DETAIL.
13. FABRICATOR TO REDUCE CARDINAL DIRECTION COPY SPACING AS NEEDED TO MEET SPECIFIED LENGTHS.
14. FABRICATOR SHALL USE STANDARD HORIZONTAL SPACING FOR NUMERALS IN ROUTE SHIELD WHEN POSSIBLE. FABRICATOR SHALL OPTICALLY ADJUST NUMERAL SPACING AS NEEDED TO PREVENT OVERLAP ONTO THE STATE OUTLINE OR SHIELD BORDER.

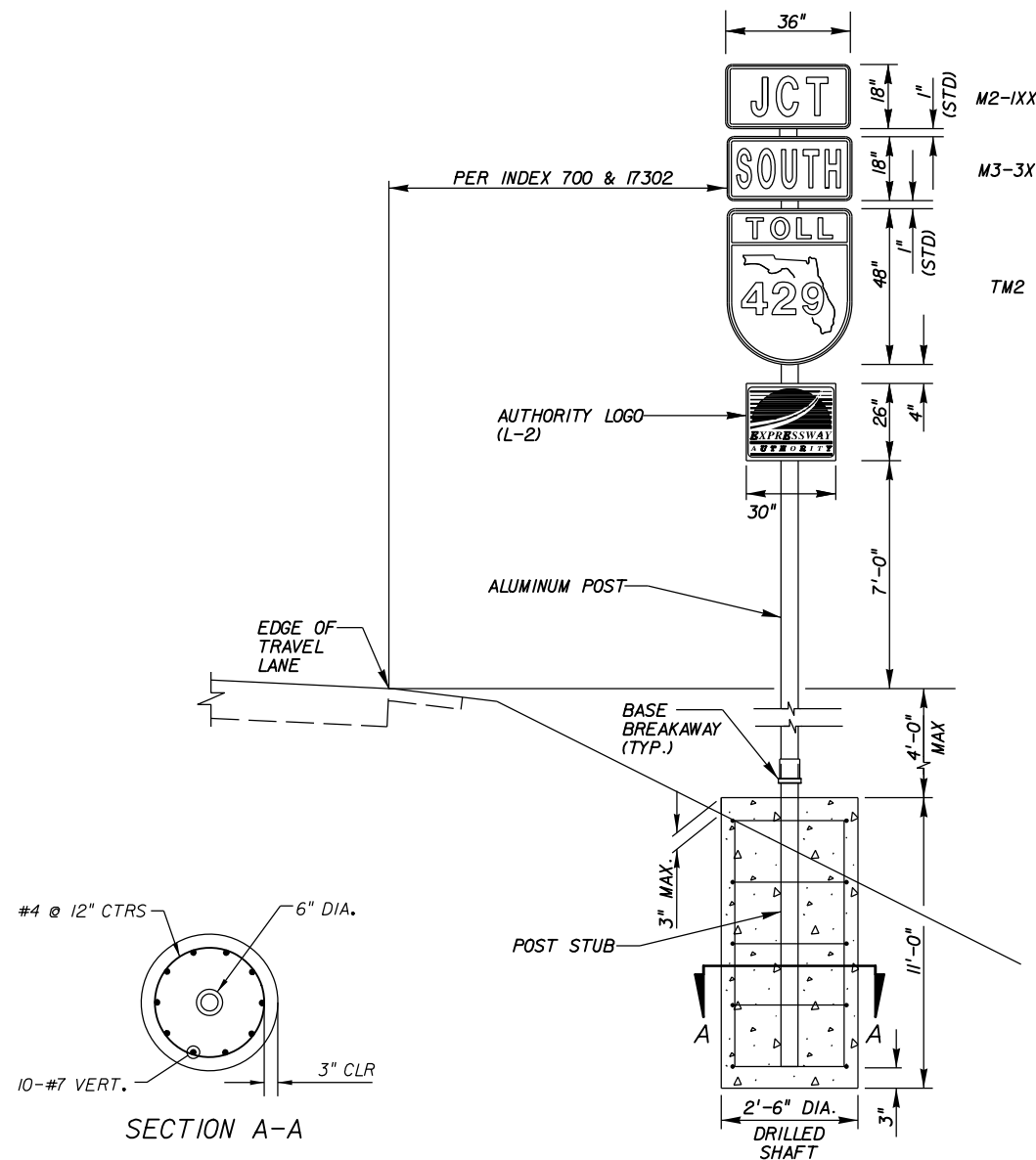


COPY SPACING		SIZE/SERIES
	SOUTH	12/10 CV3W
4.5	45	4.5



NOTE:
NEW DESIGN PENDING. NO ADDITIONAL COMPENSATION IS ALLOWED ONCE DESIGN IS PROVIDED TO CONTRACTOR.

REVISIONS						<div style="font-size: 24pt; font-weight: bold; margin: 0;">ATKINS</div> <small>482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134</small>	<small>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</small> <table border="1" style="border-collapse: collapse; margin: 2px;"> <tr> <td style="font-size: 8pt;">ROAD NO.</td> <td style="font-size: 8pt;">PROJECT NO.</td> </tr> <tr> <td style="text-align: center;">SR 429</td> <td style="text-align: center;">429-203</td> </tr> </table>	ROAD NO.	PROJECT NO.	SR 429	429-203	<small>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</small>	<small>SPECIAL DESIGN ROUTE CONFIRMATION MARKERS SIGNS 15</small>	SHEET NO.
ROAD NO.	PROJECT NO.													
SR 429	429-203													
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	S-41								

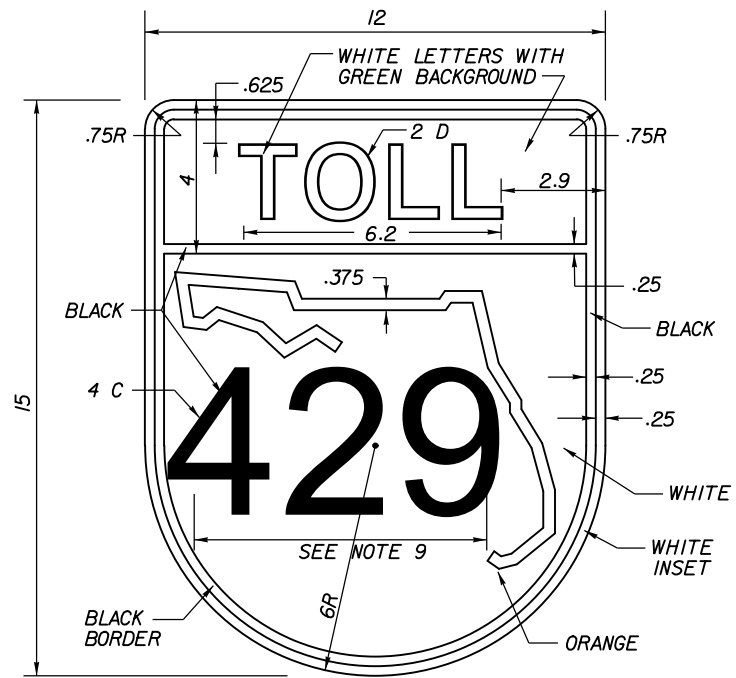


NOTES:

1. DESIGN SPECIFICATIONS: STANDARD SPECIFICATIONS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS. AASHTO 2013, 6TH EDITION AND INTERIMS THEREAFTER.
2. MATERIAL:
 - A. ALUMINUM: SEE NOTES IN INDEX 11860. ALUMINUM COLUMN SIZE SHALL BE 6" DIAMETER WITH 1/4" WALL THICKNESS.
 - B. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
 - C. CONCRETE SHALL BE CLASS 11, f'c= 3400 PSI IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 346
3. FOUNDATION: SEE NOTE IN INDEX 11200.
4. SOIL PROPERTIES USED IN DESIGN:
 - A. SOIL UNIT WEIGHT: 50 PCF
 - B. SOIL INTERNAL FRICTION ANGLE: 30 DEGREES
5. SIGN ATTACHMENT BRACKETS SHALL BE IN ACCORDANCE WITH FDOT ROADWAY INDEX 11860.
 - TOLL SHIELD: 48" X 36" (12 S.F.)
3 BRACKETS
 - TOP AUXILIARY PANELS: 18" X 36" (4.5 S.F.)
2 BRACKETS
 - AUTHORITY LOGO: (L-2) 26" X 30" (5.42 S.F.)
2 BRACKETS.
6. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR THE ASSEMBLY.
7. FOR SLIP BASE CONNECTION SEE INDEX 11860.

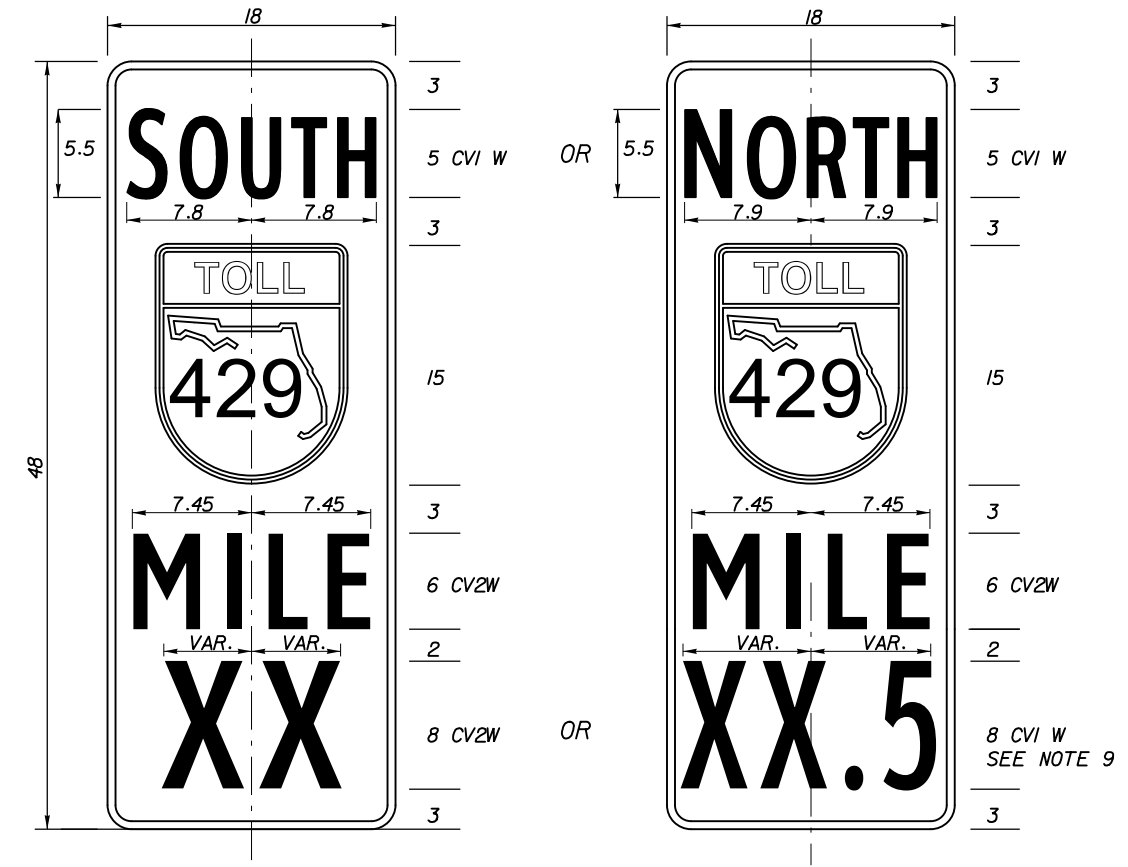
REVISIONS				 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Kenneth T. Zagers P.E. 58221	DRAWN BY: DAB	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		SHEET TITLE: CORSSROAD JUNCTION ASSEMBLY - ALUMINUM		REF. DWG. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CHECKED BY: KTZ	ROAD NO.	PROJECT NO.	PROJECT NAME:		SHEET NO.
				DESIGNED BY: DAB	SR 429	429-203	SR 429 (WEKIVA PARKWAY) SECTION 203		5-42	
				CHECKED BY: KTZ						

SR 429 MILEPOSTS			
M.P. NO.	PROP. STATION	AS-BUILT STATION	LOCATION REFERENCE POINT
36.5	337+16 NB		OC-2 STA. 342+25
36.5	136+80 SB		END BRIDGE SB STA. 129+00
37	363+42 NB		OC-3 STA. 368+65
37	163+24 SB		END MEDIAN GUARDRAIL STA. 143+37.40
37.5	289+87		END BRIDGE STA. 287+62.04



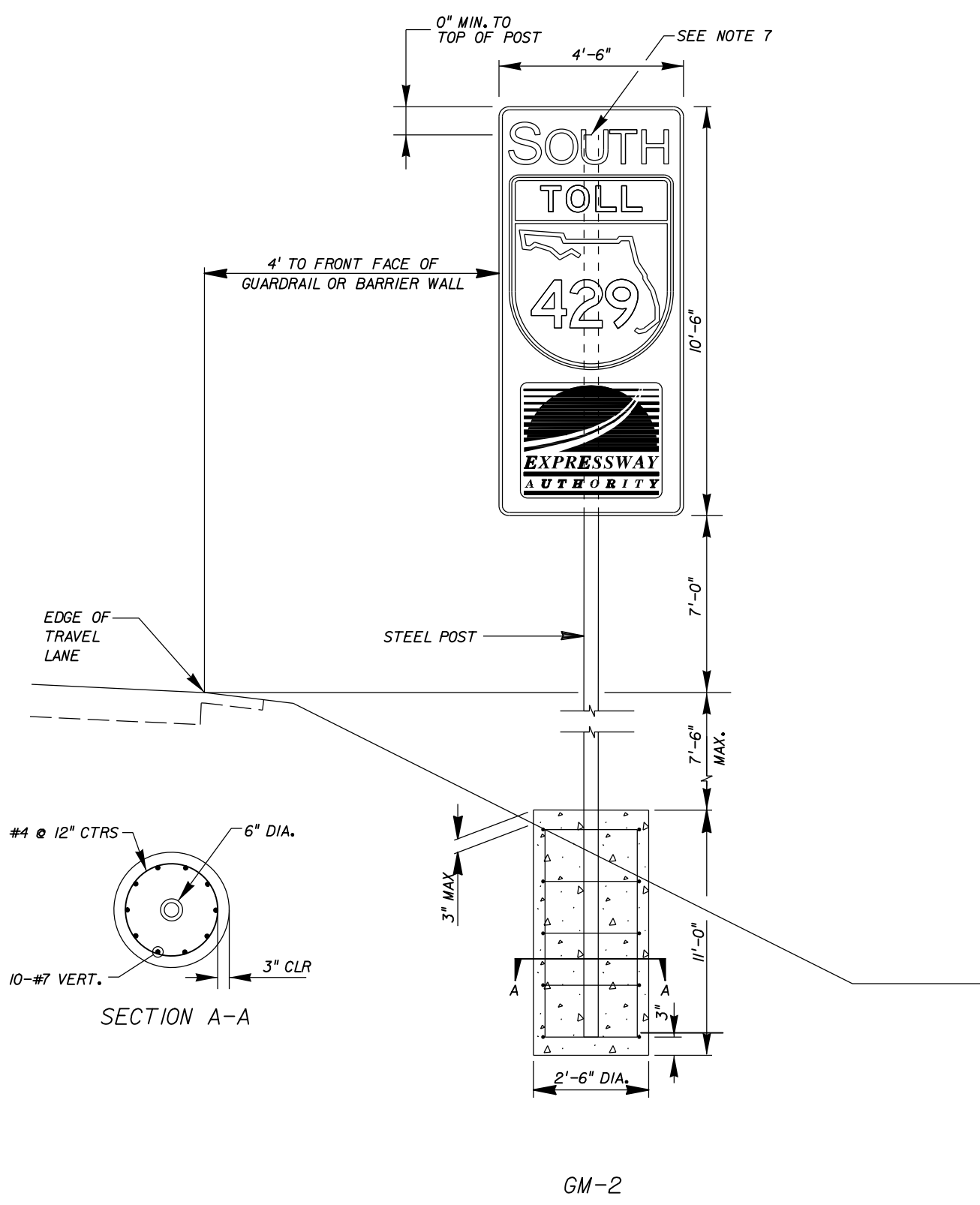
NOTES:

- PANELS SHALL BE FABRICATED USING 3M COMPANY DIAMOND GRADE CUBED (DG3) SHEETING OR AUTHORITY APPROVED EQUAL.
- MAIN PANEL:
BACKGROUND: GREEN
LEGEND AND BORDER: WHITE
BORDER WIDTH: 0.5"
CORNER RADII: 1.5"
- MAKE FIRST LETTER OF CARDINAL DIRECTION 10% LARGER (AS SHOWN). ALL LETTERS ARE BOTTOM JUSTIFIED.
- TOLL SHIELD COLORS:
BLACK
WHITE
GREEN
ORANGE: 3M COMPANY EC FILM NO. 1174 OR AUTHORITY APPROVED EQUAL.
- FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM 1170 CLEAR ON THE AUTHORITY DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M COMPANY 1-800-553-1380.
- ALL DIMENSIONS ON SHEET ARE IN INCHES.
- IF A COLOR AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY PRODUCTS ARE TO BE USED, CONTRACTOR SHALL PROVIDE 4" X 4" SAMPLE IN ALL COLORS. NO FABRICATION SHALL COMMENCE UNTIL THE SAMPLE HAS BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM THE AUTHORITY. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
- OPTICALLY LOCATE MILEPOST NUMERALS IN BOTH FORMATS (XX AND XX.5) ABOUT THE CENTERLINE.
- FABRICATOR TO ADJUST HORIZONTAL SPACING AS NECESSARY TO FIT. DO NOT OVERLAP ONTO STATE OUTLINE OR SHIELD BORDER.
- DETAILED SHOP DRAWINGS ARE REQUIRED.
- FABRICATOR SHALL USE THE STATE OUTLINE CONFIGURATION SHOWN IN THE TOLL SHIELD DETAIL.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SPECIAL DESIGN MILEPOST AND LOCATIONS TABLE	SHEET NO. S-43
	ROAD NO.	PROJECT NO.			
SR 429	429-203				

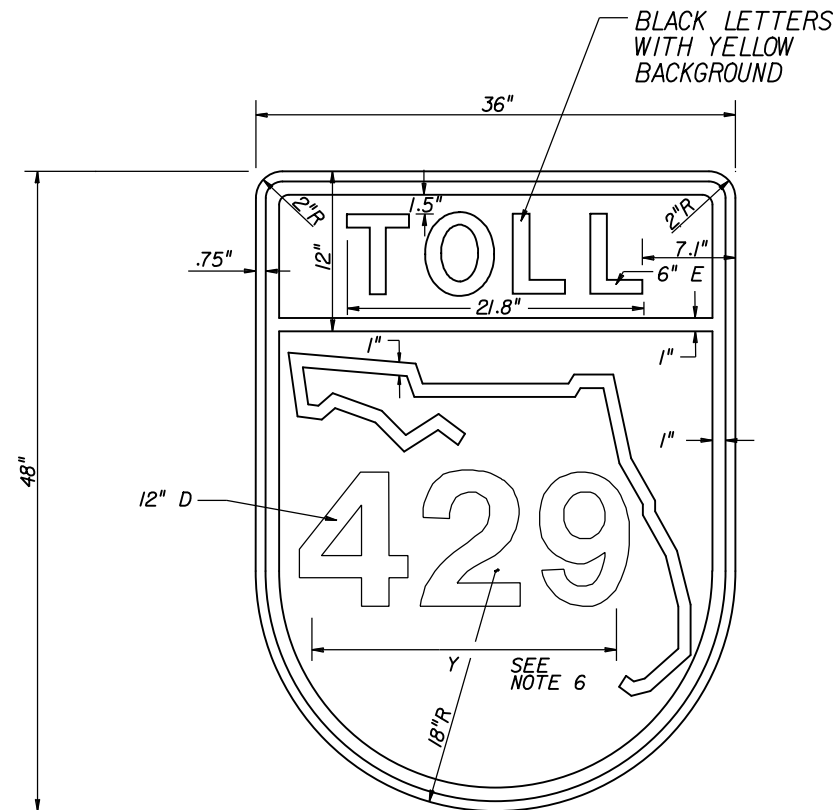


NOTES:

1. DESIGN SPECIFICATIONS: STANDARD SPECIFICATIONS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS. AASHTO 2013, 6TH EDITION AND INTERIMS THEREAFTER. DESIGN WIND SPEED = 130 MPH.
2. MATERIAL:
 - A. STEEL POST SHALL CONFORM TO ASTM A500 GRADE B (F_y = 42 KSI), ROUND HSS 6.0x0.5 HOT DIPPED GALVANIZED PER ASTM A123.
 - B. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
 - C. CONCRETE SHALL BE CLASS II, f'_c = 3400 PSI IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 346
3. FOUNDATION: SEE GENERAL NOTES, FOUNDATION, IN INDEX 11200.
4. SOIL PROPERTIES USED IN DESIGN:
 - A. SOIL UNIT WEIGHT: 50 PCF
 - B. SOIL INTERNAL FRICTION ANGLE: 30 DEGREES
5. SIGN ATTACHMENT BRACKETS SHALL BE IN ACCORDANCE WITH FDOT ROADWAY INDEX 11860.
Sign 4'-6" x 10'-6" : 5 BRACKETS
6. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR THE ASSEMBLY.
7. PROVIDE 1/4" THICK STEEL CAP ON TOP OF POST AND WELD AROUND TO THE POST

GM-2

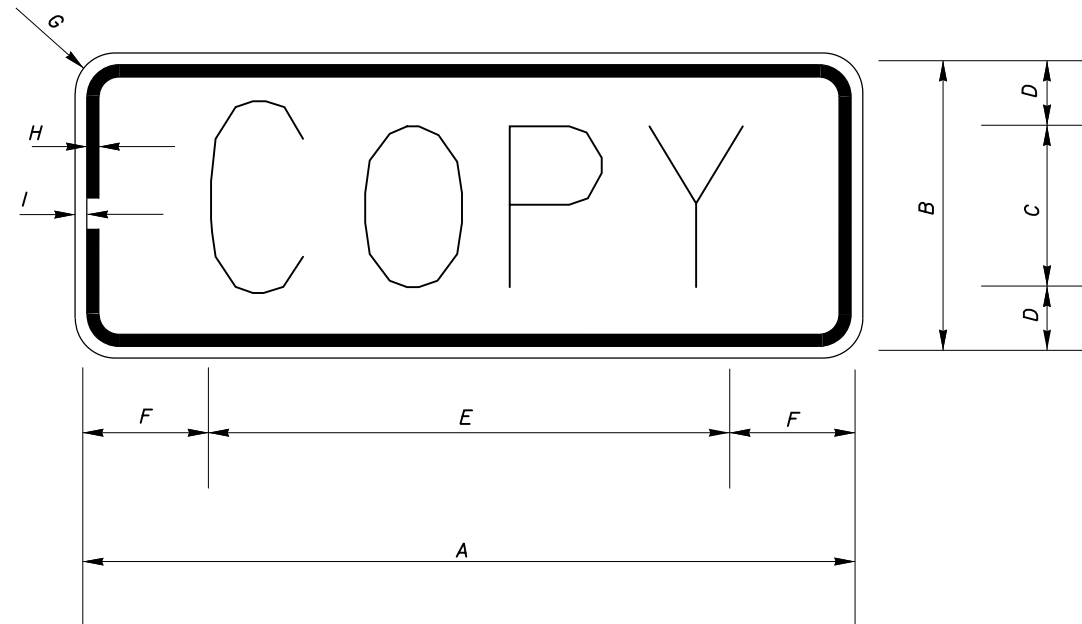
REVISIONS				 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Kenneth T. Zagers P.E. 58221	DRAWN BY: DAB		CENTRAL FLORIDA EXPRESSWAY AUTHORITY		SHEET TITLE:		REF. DWG. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		CHECKED BY: KTZ	ROAD NO.	PROJECT NO.	ROUTE CONFORMATION MARKERS STRUCTRUAL DESIGN (GM-2)			
				DESIGNED BY: DAB	SR 429	429-203	PROJECT NAME:		SR 429 (WEKIVA PARKWAY) SECTION 203	SHEET NO.	
				CHECKED BY: KTZ						5-44	



NOTES:

1. COLORS INDICATED ON 48"X60" SHIELD ARE APPLICABLE TO ALL SIZES.
2. SHIELD TO BE FABRICATED WITH 3M COMPANY DIAMOND GRADE CUBED (D63) REFLECTIVE SHEETING OR AUTHORITY APPROVAL EQUAL.
3. SHOP DRAWINGS ARE REQUIRED.
4. COLORS:
BLACK
WHITE
YELLOW
ORANGE, 3M COMPANY EC FILM SERIES I174 OR AUTHORITY APPROVED EQUAL.
IF A COLOR AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY PRODUCTS ARE TO BE USED, CONTRACTOR SHALL PROVIDE A 4" x 4" SAMPLE IN ALL COLORS. NO FABRICATION SHALL COMMENCE UNTIL THE SAMPLE HAS BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM THE AUTHORITY. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
5. FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM I170 CLEAR ON THE AUTHORITY DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M AT 1-800-553-1380.
6. FABRICATOR SHALL USE STANDARD HORIZONTAL SPACING FOR NUMERALS WITHIN A ROUTE SHIELD WHEN POSSIBLE. FABRICATOR SHALL OPTICALLY ADJUST NUMERAL SPACING AS NEEDED TO PREVENT OVERLAP ONTO THE STATE OUTLINE OR SHIELD BORDER.

REVISIONS						ATKINS 482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134	CENTRAL FLORIDA EXPRESSWAY AUTHORITY ROAD NO. SR 429 PROJECT NO. 429-203	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TOLL ROUTE SHIELD (TM2)	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					S-45

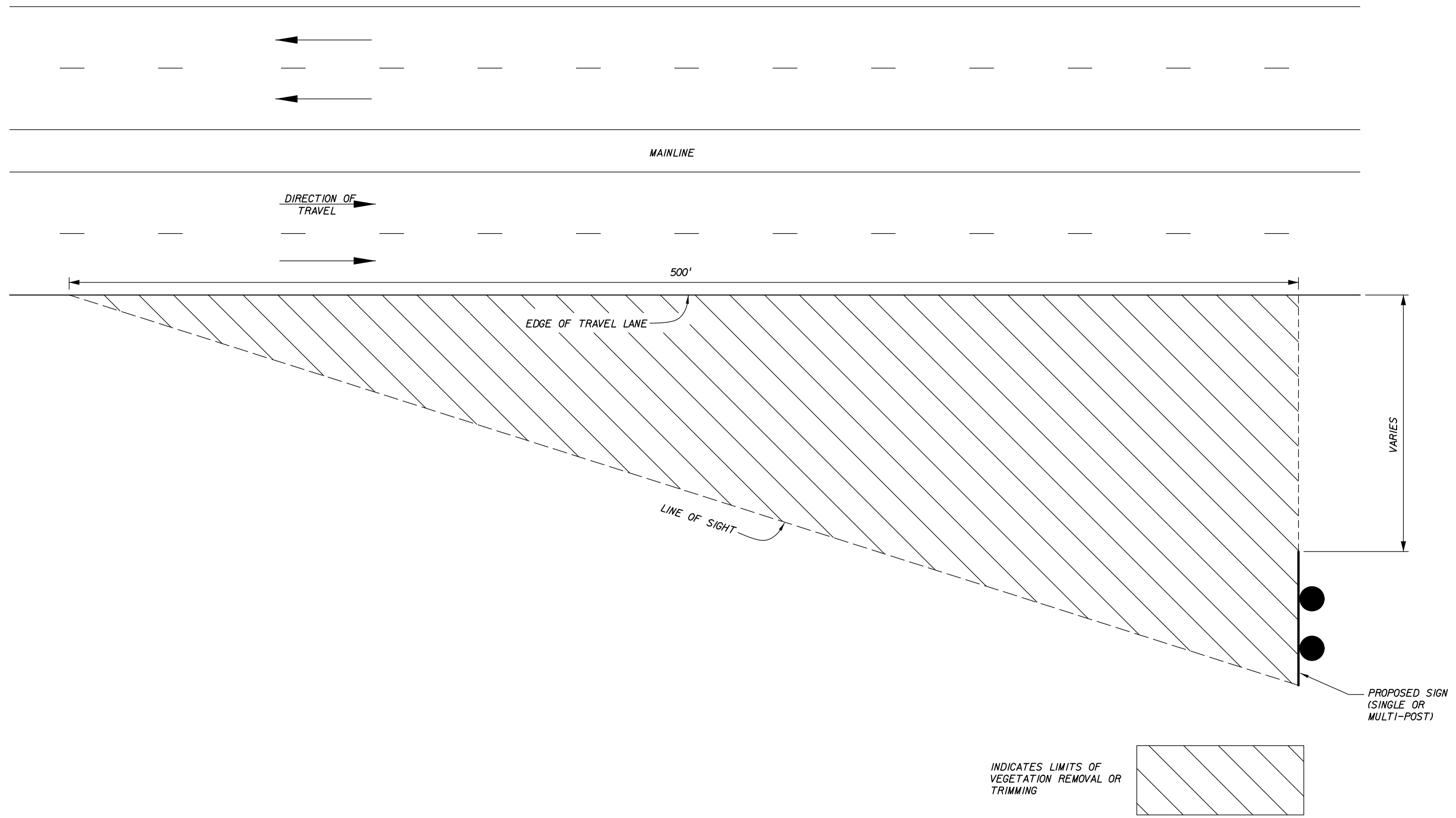


NOTES:

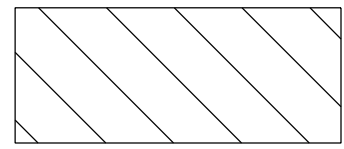
1. ALL DIMENSIONS ARE IN INCHES.
2. AUXILIARY PANELS WITH TOLL SHIELDS:
BACKGROUND: DG3 WHITE
LEGEND & BORDER: BLACK.
3. BACKGROUND, LEGEND AND BORDER COLORS SHALL MATCH ASSOCIATED INTERSTATE, STATE OR COUNTY ROUTE SHIELDS.
4. * REDUCE COPY SPACING TO SPECIFIED OVERALL LENGTH.
5. MAKE FIRST LETTER OF CARDINAL DIRECTION (M3-X, M3-XX) 10% LARGER. ALL LETTERS ARE BOTTOM JUSTIFIED.
6. SHOP DRAWINGS ARE REQUIRED.
7. ALL AUXILLIARY PANELS SHALL BE 3M COMPANY DIAMOND GRADE CUBED (DG3) REFLECTIVE SHEETING OR AUTHORITY APPROVED EQUAL. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

CODE	COPY	A	B	C	D	E	F	G	H	I	QTY. REQ'D
M2-1XX	JCT	36	18	10D	4	23.0	6.5	1.5	.75	.25	2
* M3-3X	SOUTH	36	18	9C	4.5	30.0	3.0	1.5	.625	.375	9
M4-5X	TO	36	18	10D	4	14.6	10.7	1.5	.625	.375	5

REVISIONS						ATKINS <small>482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134</small>	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SPECIAL DESIGN AUXILIARY PANELS FOR ROUTE MARKERS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	PROJECT NO.			S-46
							SR 429	429-203			



INDICATES LIMITS OF
VEGETATION REMOVAL OR
TRIMMING



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

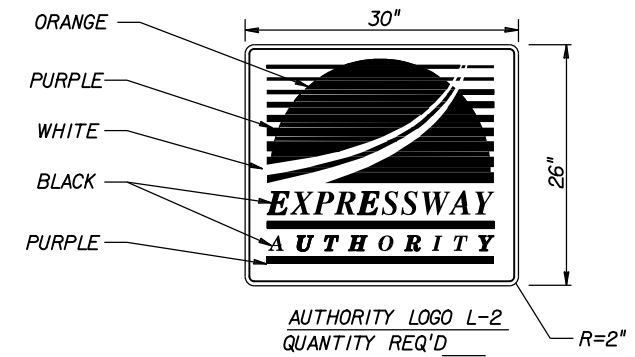
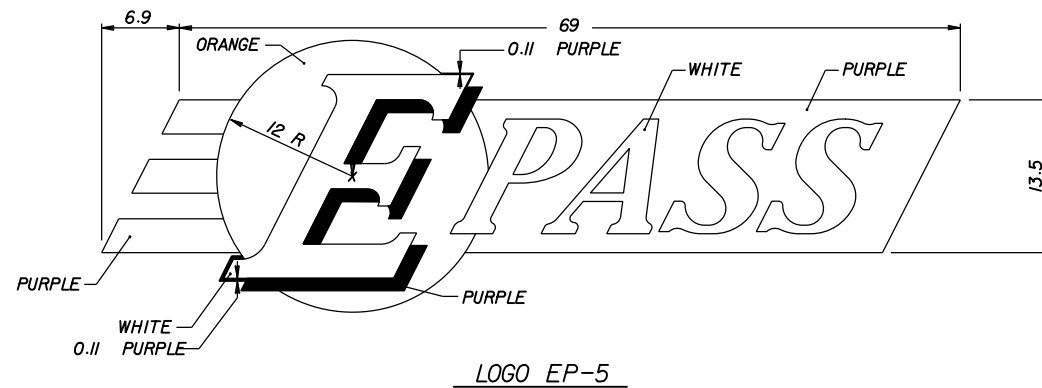
ATKINS
482 S. Keller Road, Orlando, FL 32810
Certificate of Authorization No. 24
Susan A. Gratch P.E. No. 40134

**CENTRAL FLORIDA
EXPRESSWAY AUTHORITY**
ROAD NO. SR 429
PROJECT NO. 429-203

CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

**LINE OF SIGHT
FOR USE ON MAINLINE**

SHEET
NO.
S-47



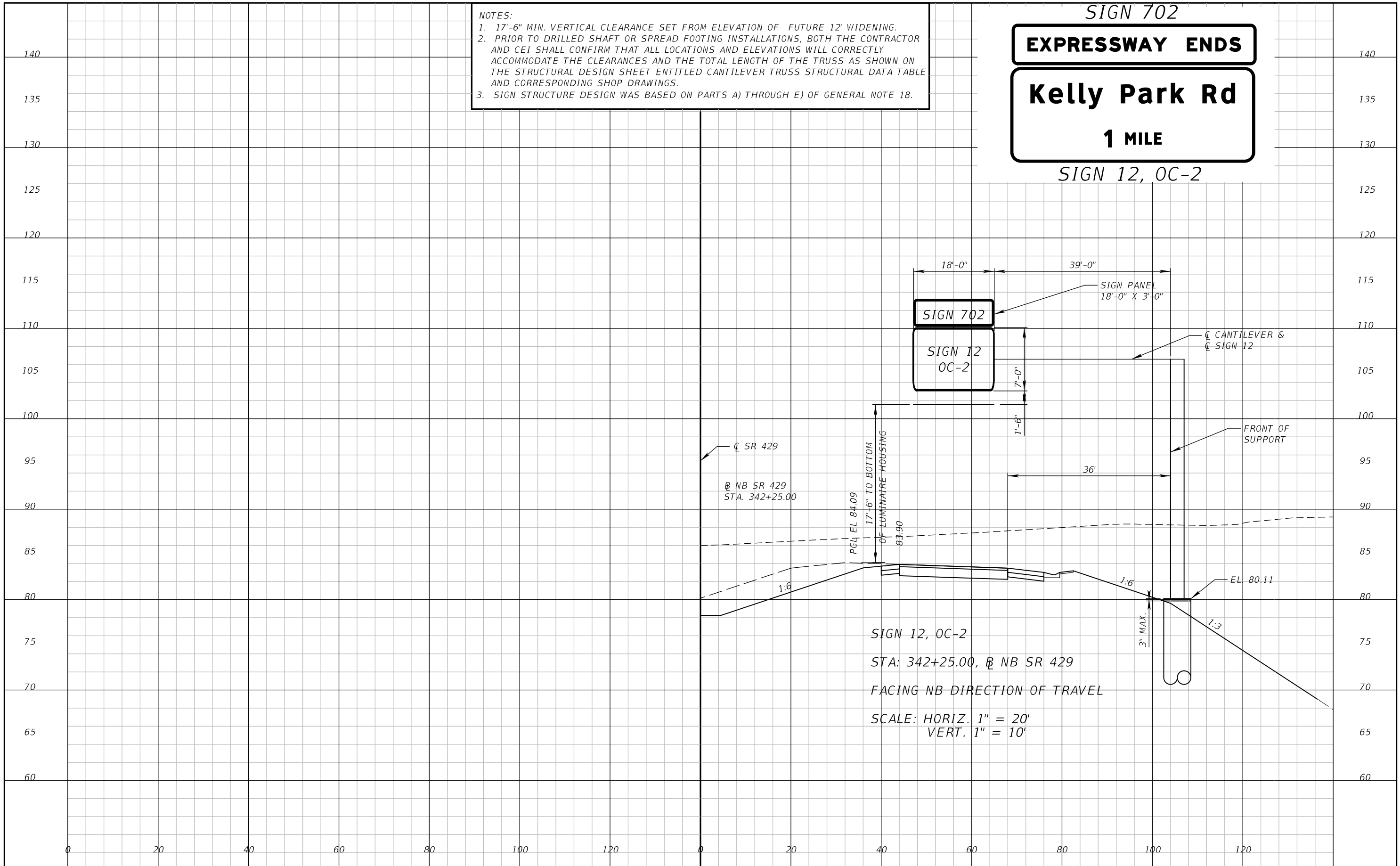
LOGO NOTES:

1. LOGOS SHALL HAVE PRISMATIC RETROREFLECTIVE SHEETING, 3M COMPANY DIAMOND GRADE CUBED (DG3) OR AUTHORITY APPROVED EQUAL.
2. LOGO COLORS:
 - BLACK (LOGO L-2 ONLY)
 - WHITE
 - PURPLE, 3M COMPANY DG3 RETROREFLECTIVE SHEETING MATCHING 3M I170-I3 VIOLET EC FILM OR AUTHORITY APPROVED EQUAL.
 - ORANGE, 3M COMPANY EC FILM SERIES I174 OR AUTHORITY APPROVED EQUAL.
3. IF COLORS AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY PRODUCTS ARE TO BE USED, CONTRACTOR SHALL SUBMIT 4"x4" SAMPLES OF EACH IN ALL REQUIRED COLORS. NO FABRICATION SHALL COMMENCE UNTIL SAMPLES HAVE BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM THE AUTHORITY. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
4. FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM I170 CLEAR ON THE AUTHORITY DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M AT 1-800-553-1380.
5. NARROW PORTIONS OF SPECIAL DESIGN COPY IN EPASS LOGO SHALL HAVE MINIMUM THICKNESS AS FOLLOWS:
 - EP-5 = 0.76
6. ALL DIMENSIONS ARE IN INCHES.
7. FABRICATOR TO BE GIVEN A COMPUTER DISK OF ARTWORK AS NEEDED UPON REQUEST. FABRICATOR MUST SPECIFY FILE FORMAT REQUIRED HOWEVER, SOME FORMATS MAY NOT BE AVAILABLE.
8. DRAWINGS ARE NOT TO SCALE.
9. LOGOS L-2 (DIMENSIONS IN INCHES):
 - BORDER COLOR = PURPLE
 - BORDER WIDTH = 0.25
 - BORDER INSET = 0.25
10. SHOP DRAWINGS ARE REQUIRED FOR LOGO L-2.

REVISIONS						<h2 style="margin: 0;">ATKINS</h2> <p style="font-size: small; margin: 0;">482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134</p>	<p style="font-size: small; margin: 0;">CENTRAL FLORIDA EXPRESSWAY AUTHORITY</p>	<p style="font-size: small; margin: 0;">CENTRAL FLORIDA EXPRESSWAY AUTHORITY</p>	<p style="font-size: small; margin: 0;">EPASS LOGOS EP-5</p> <p style="font-size: small; margin: 0;">AUTHORITY LOGO L-2</p>	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					S-48

NOTES:
 1. 17'-6" MIN. VERTICAL CLEARANCE SET FROM ELEVATION OF FUTURE 12' WIDENING.
 2. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED CANTILEVER TRUSS STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
 3. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) THROUGH E) OF GENERAL NOTE 18.

SIGN 702
EXPRESSWAY ENDS
Kelly Park Rd
1 MILE
 SIGN 12, OC-2

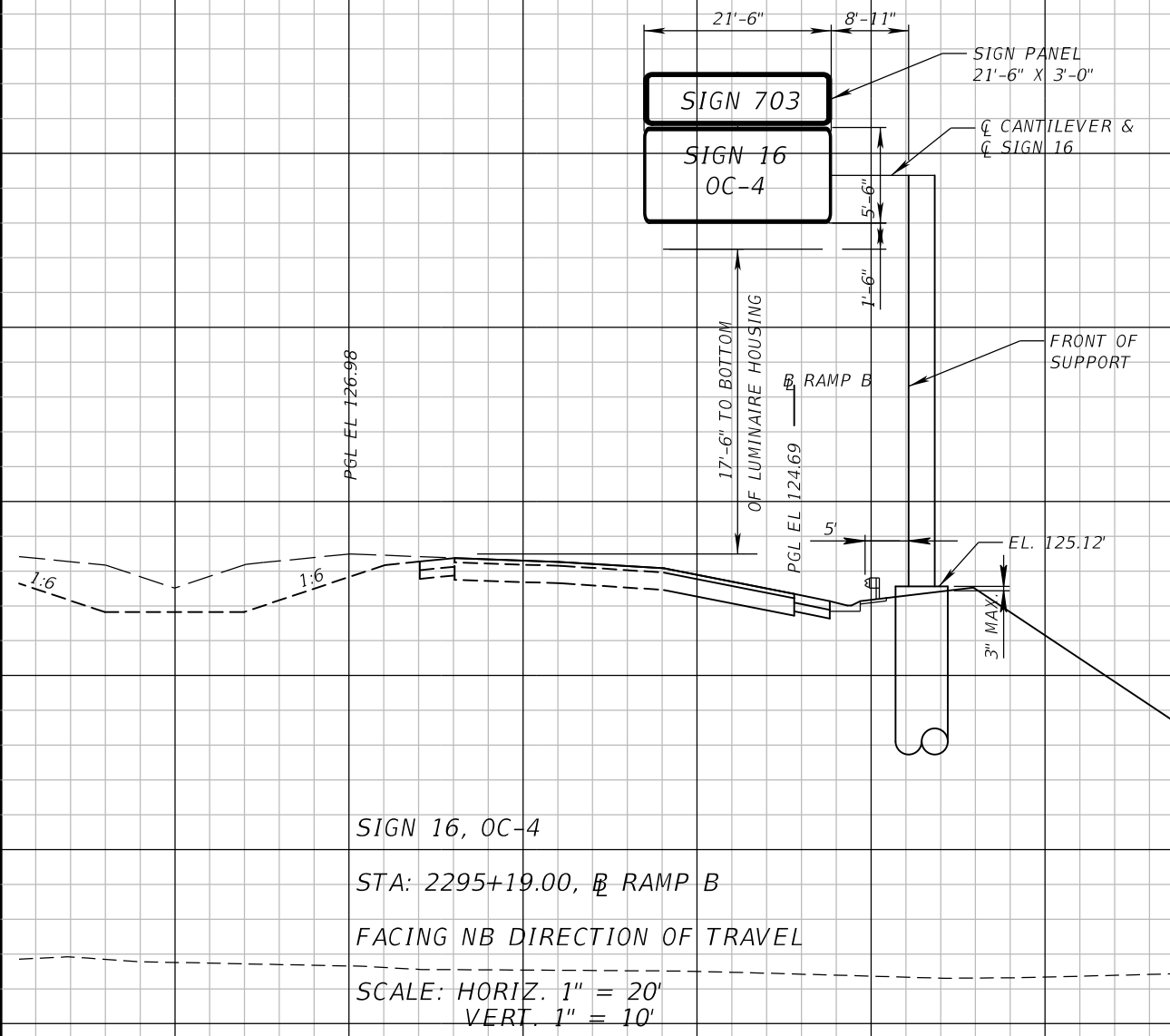
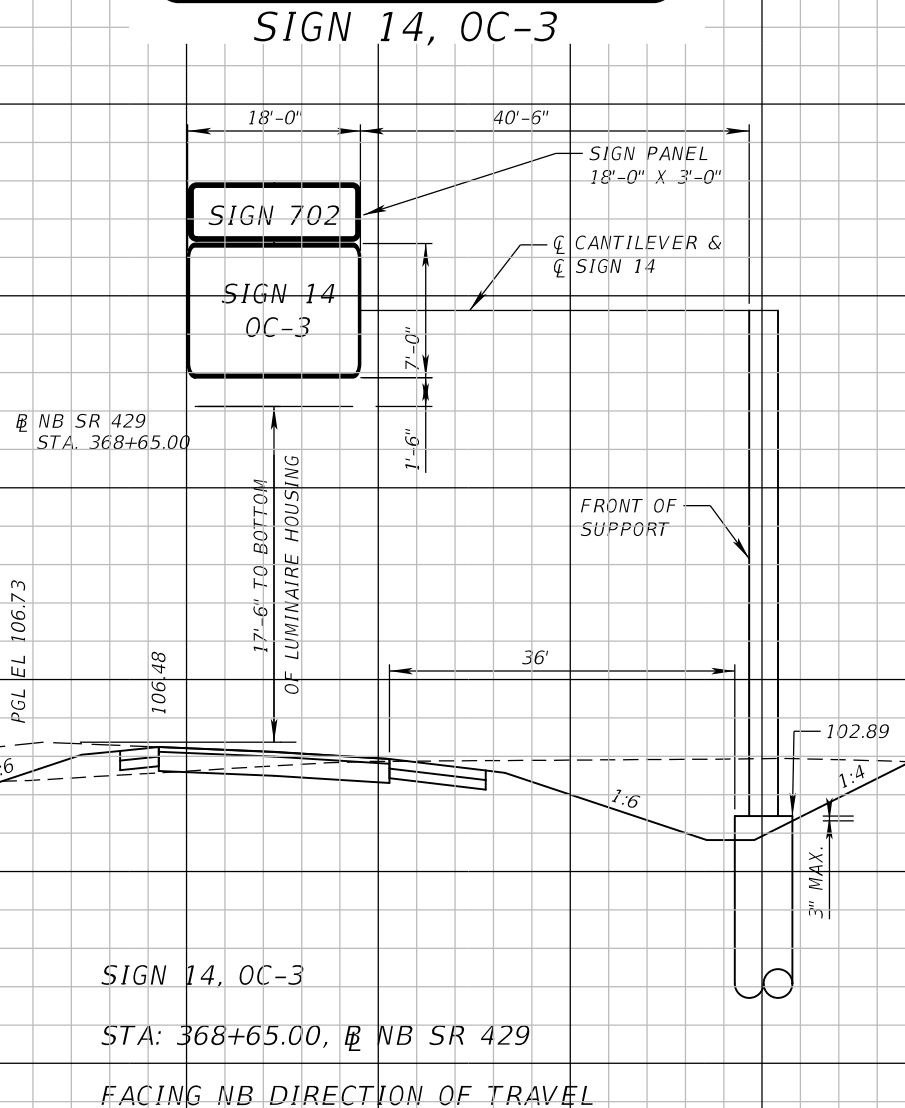


SIGN 12, OC-2
 STA: 342+25.00, NB SR 429
 FACING NB DIRECTION OF TRAVEL
 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 10'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS <small>482 S. Keller Road, Orlando, FL 32810 Certificate of Authorization No. 24 Susan A. Gratch P.E. No. 40134</small>	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	CROSS SECTIONS OC-2	SHEET NO.
	ROAD NO.	PROJECT NO.			S-49
SR 429	429-203				

NOTES:
 1. 17'-6" MIN. VERTICAL CLEARANCE SET FROM ELEVATION OF FUTURE 12' WIDENING.
 2. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED CANTILEVER TRUSS STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
 3. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) THROUGH E) OF GENERAL NOTE 18.



SCALE: HORIZ. 1" = 20'
 VERT. 1" = 10'

SCALE: HORIZ. 1" = 20'
 VERT. 1" = 10'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

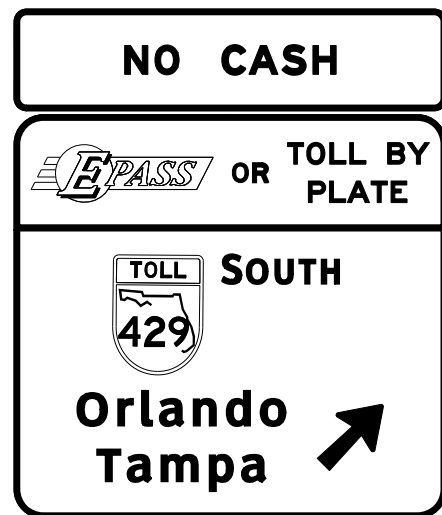
ATKINS
 482 S. Keller Road, Orlando, FL 32810
 Certificate of Authorization No. 24
 Susan A. Gratch P.E. No. 40134

CENTRAL FLORIDA EXPRESSWAY AUTHORITY
 ROAD NO. SR 429
 PROJECT NO. 429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

CROSS SECTIONS
OC-3 AND OC-4

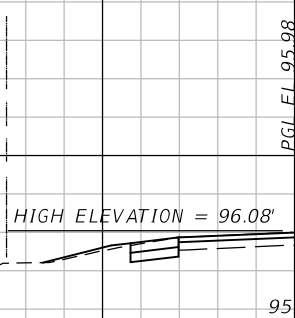
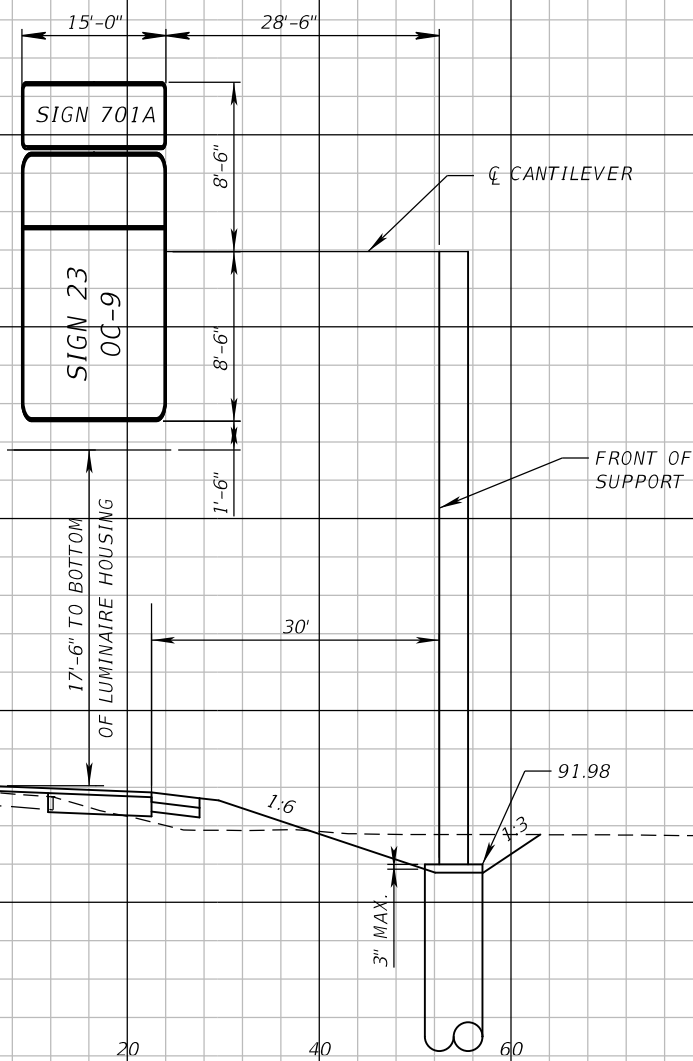
SHEET NO.
 S-50



NOTES:
 1. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED CANTILEVER TRUSS STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
 2. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) THROUGH E) OF GENERAL NOTE 18.

SIGN 23, OC-9

SIGN 23, OC-9
 STA: 78+81.00, @ KELLY PARK RD
 FACING EB DIRECTION OF TRAVEL
 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 10'



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

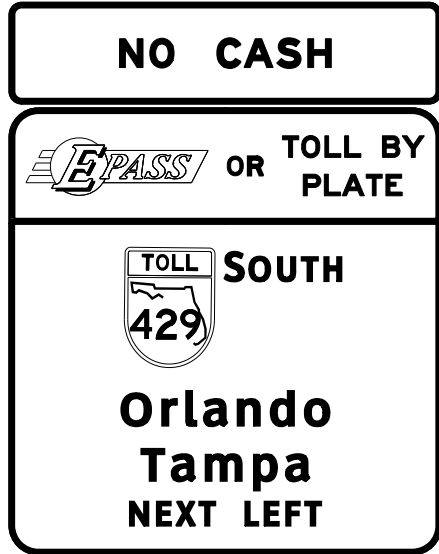
ATKINS
 482 S. Keller Road, Orlando, FL 32810
 Certificate of Authorization No. 24
 Susan A. Gratch P.E. No. 40134

CENTRAL FLORIDA EXPRESSWAY AUTHORITY
 ROAD NO. SR 429
 PROJECT NO. 429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

CROSS SECTIONS
 OC-9

SHEET NO. S-51

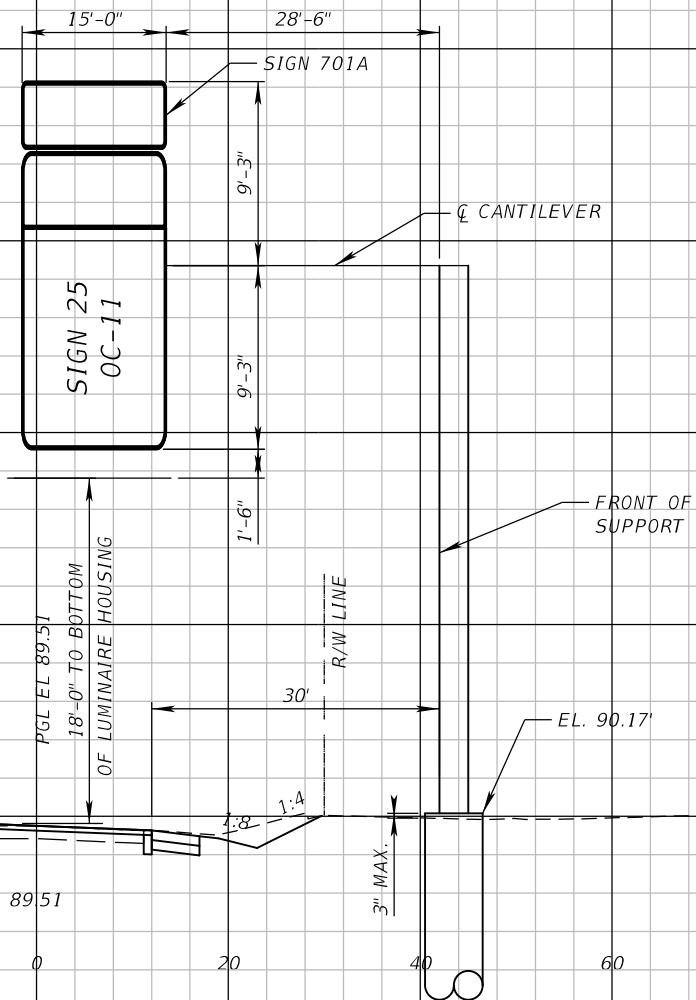


SIGN 25, OC-11

NOTES:

1. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET ENTITLED CANTILEVER TRUSS STRUCTURAL DATA TABLE AND CORRESPONDING SHOP DRAWINGS.
2. SIGN STRUCTURE DESIGN WAS BASED ON PARTS A) THROUGH E) OF GENERAL NOTE 18.

165
160
155
150
145
140
135
130
125
120
115
110
105
100
95
90



SIGN 25, OC-11
STA: 86+00.00, B KELLY PARK RD
FACING WB DIRECTION OF TRAVEL
SCALE: HORIZ. 1" = 20'
VERT. 1" = 10'

HIGH ELEVATION = 89.63'

89.51

40 20 0 20 40 60

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS

482 S. Keller Road, Orlando, FL 32810
Certificate of Authorization No. 24
Susan A. Gratch P.E. No. 40134

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

ROAD NO.	PROJECT NO.
SR 429	429-203

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

CROSS SECTIONS
OC-11

SHEET NO.

S-52

CANTILEVER SIGN STRUCTURES DATA TABLE										Table Date 01-01-11	
SIGN NO.	STATION / OFFSET	DIMENSIONS				PANELS	MEMBER SIZES			BACKRAKE	
		A		B	C	N	D (CHORD)		E (WEB)	F (UPRIGHT)	G
		ft	ft	in	in	#	O. D. x Wall Thk. (in)		O. D. x Wall Thk. (in)		in
OC-2	342+25.00	26.4800	8	2-3/4	69	7	6.63 x 0.432		4 x 4 x 3/8	30.00 x 0.625	3.0000
OC-3	368+65.00	26.3400	8	5-1/2	69	7	6.63 x 0.432		4 x 4 x 3/8	30.00 x 0.625	3.0000
OC-4	295+20.00	23.9000	7	8-1/2	57	4	4.50 x 0.337		3-1/2 x 3-1/2 x 5/16	24.00 x 0.562	1.2500
OC-9	78+81.00	31.6000	11	1/2	75	4	6.63 x 0.432		4 x 4 x 1/2	30.00 x 0.750	2.5000
OC-11	86+00.00	28.3000	11	1/2	75	4	6.63 x 0.432		4 x 4 x 1/2	30.00 x 0.750	2.5000

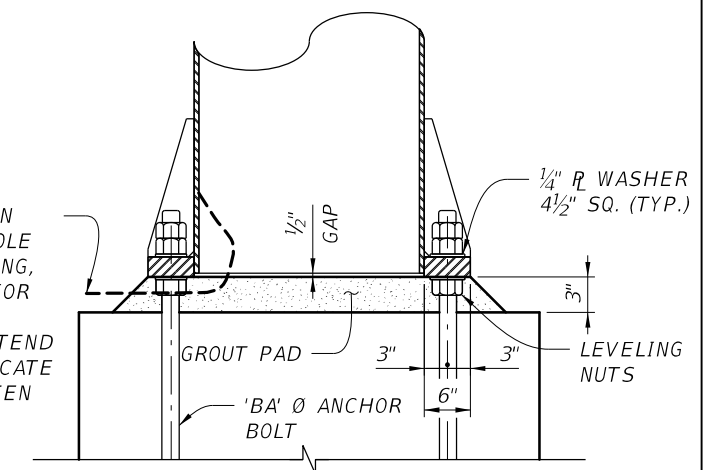
- NOTES:
- Work these Data Tables with Index 11310.
 - Design Wind Speed = 130 mph.

- FOUNDATION NOTES [Notes Date 7-01-13]:
- Design based on Borings taken and sealed by NES.
 - Assumptions and Values used in design:
Soil Type - Sand
Soil Layer Thickness = 25 ft.
Soil Friction Angle = 30 deg.
Soil Weight = 110 pcf
Design Water Table is at ground surface

CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																							Table Date 01-01-11							
SIGN NO.	GUSSET PLATES												TRUSS CONNECTION								SPLICE									
	GA	GB	GC		GD	GE		GF	GG	GH	GJ		GK	TA	TB	TC	TD	TE	TF	TG	TH	TJ	SA	SB	SC	SD				
	in	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	#	#	in	in	in	in	in	in	Angle (in)	#	in	#				
OC-2	3/8	1	1	7-1/2		7-3/4	1	6-1/2		7-1/2	1	1-1/2		9-3/4	1	1	3/16	7/8	10	10	5/8	1/2	5/16	1/4	3/16	1/4	6 x 6 x 1/2	6	1	3
OC-3	3/8	1	1	7-3/4		7-3/4	1	6-3/4		7-1/2	1	2		9-1/2	1	1-3/4	3/16	7/8	10	10	5/8	1/2	5/16	1/4	3/16	1/4	6 x 6 x 1/2	6	1	3
OC-4	3/8	7/8	1	5-1/4		6-3/4	1	4-1/4		6-1/2	1	4-1/4		9	1	2-1/2	3/16	7/8	6	4	1/2	1/2	1/4	1/4	3/16	3/16	NO SPLICE	NA	NA	NA
OC-9	1/2	1	1	10-3/4		7-3/4	1	9-1/4		7-1/2	1	3-1/4		9	1	1-3/4	3/16	7/8	10	8	5/8	1/2	5/16	1/4	3/16	1/4	6 x 6 x 1/2	6	1	2
OC-11	1/2	1	1	10-1/4		7-3/4	1	8-3/4		7-1/2	1	3-1/4		9-1/4	1	1-3/4	3/16	7/8	10	8	5/8	1/2	5/16	1/4	3/16	1/4	6 x 6 x 1/2	6	1	2

CANTILEVER SIGN STRUCTURES DATA TABLE (CONT.)																			Table Date 07-01-13
SIGN NO.	BASE CONNECTION									ANCHOR		FOOTING - DRILLED SHAFT							
	BA	BB	BC	BD	BE	BF	BG	BH	BJ	BK	FA	FB	FC	FD	FE				
	in	#	in	in	ft	in	in	in	in	ft	in	ft	in	ft	in	# / Size	#	in	
OC-2	2-1/4	12	1-1/2	3/8	2	6-3/4	5/16	5/16	5/16	3/16	3	9	54	3	5	6	22 / 11	60	5
OC-3	2-1/4	12	1-1/2	3/8	2	6-3/4	5/16	5/16	5/16	3/16	3	9	23	3	5	6	22 / 11	48	5
OC-4	1-3/4	12	1-1/4	3/8	1	11-1/2	5/16	5/16	5/16	3/16	3	0	24	3	5	6	22 / 11	40	5
OC-9	2-1/4	12	1-1/2	3/8	2	6-3/4	5/16	5/16	5/16	3/16	3	9	41	3	5	6	22 / 11	60	5
OC-11	2-1/4	12	1-1/2	3/8	2	6-3/4	5/16	5/16	5/16	3/16	3	9	32	3	5	6	22 / 11	60	5

PROVIDE 3/8" Ø ALL COTTON SASH CORD AS WEEP HOLE WICK. PRIOR TO GROUTING, ATTACH CORD TO INTERIOR OF THE UPRIGHT SUCH THAT THE END WILL EXTEND BEYOND THE GROUT. LOCATE IN PLAN, MIDWAY BETWEEN ANCHOR BOLTS.

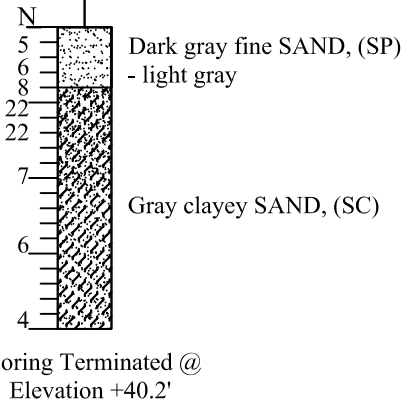
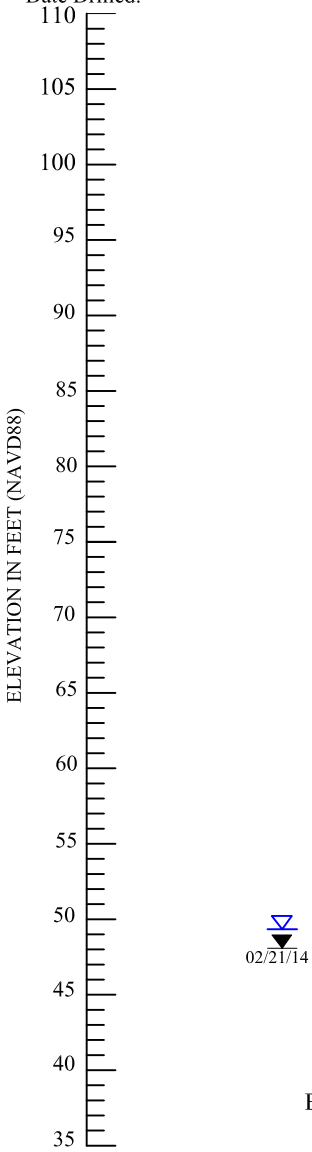


SECTION UPRIGHT BASE

REVISIONS				DRAWN BY: DAB	CHECKED BY: KTZ	CENTRAL FLORIDA EXPRESSWAY AUTHORITY		SHEET TITLE:		REF. DWG. NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	PROJECT NO.	CANTILEVER SIGN STRUCTURE DATA TABLE		
				DESIGNED BY: DAB		SR 429	429-203	PROJECT NAME:		SHEET NO.
				CHECKED BY: KTZ				SR 429 (WEKIVA PARKWAY) SECTION 203		5-53

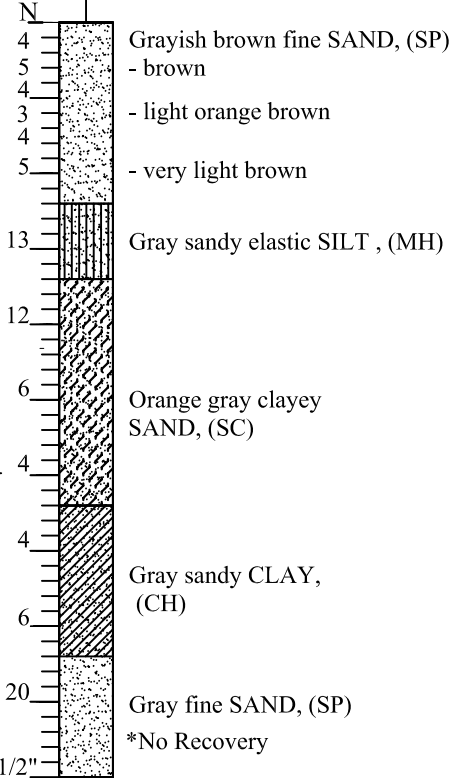
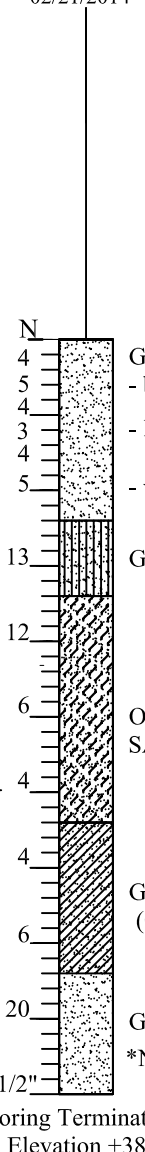
Boring No.:
Structure Name:
Approx station, offset:
Baseline:
Elevation:
Date Drilled:

SB-5
OC-1
328+00, 52' RT
NB SR 429 CL
60.2'
02/21/2014
NORTHING: 1599886.5'
EASTING: 475634.8'



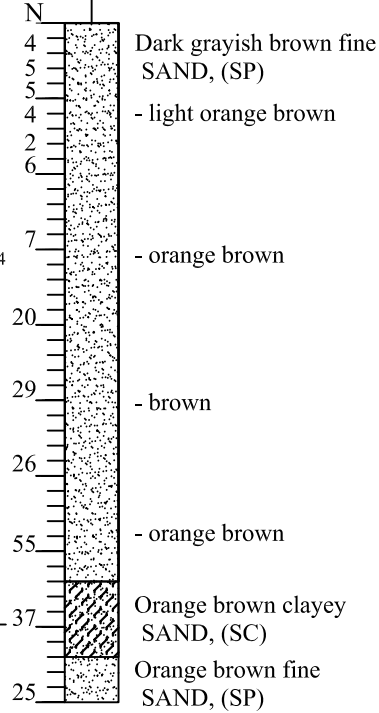
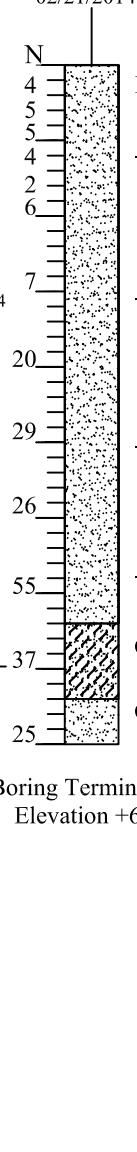
Boring Terminated @
Elevation +40.2'

SB-6
OC-2
342+25, 72' RT
NB SR 429 CL
88.3'
02/21/2014
NORTHING: 1601197.6'
EASTING: 475298.6'



Boring Terminated @
Elevation +38.3'

SB-7
OC-3
368+65, 72' RT
NB SR 429 CL
106.7'
02/21/2014
NORTHING: 1603745.3'
EASTING: 474692.3'



Boring Terminated @
Elevation +61.7'

LEGEND

- SAND
- SANDY CLAY
- CLAYEY SAND
- CLAY
- SB-4
- Approximate Boring Location
- Unified soil classification group symbol
- Natural Moisture Content (%) (FM 1-T265)
- Percent Passing No. 200 US Standard Sieve (%) (FM 1-T088)
- Liquid Limit (%) (FM 1-T089)
- Plasticity Index (%) (FM 1-T090)

- Groundwater level encountered on date shown
- Estimated seasonal high groundwater level

Standard Penetration Test Data
Standard penetration resistance in blows per foot (18" spoon ASTM D-1586)
Spoon Inside Diameter 1 3/8 in.
Spoon Outside Diameter 2 in.
ASTM Standard Automatic Hammer
Drop 30 in.
Hammer Weight 140 lbs.
ASTM Standard Drop Safety Hammer (Rope-Cathead)
Drop 30 in.
Hammer Weight 140 lbs.

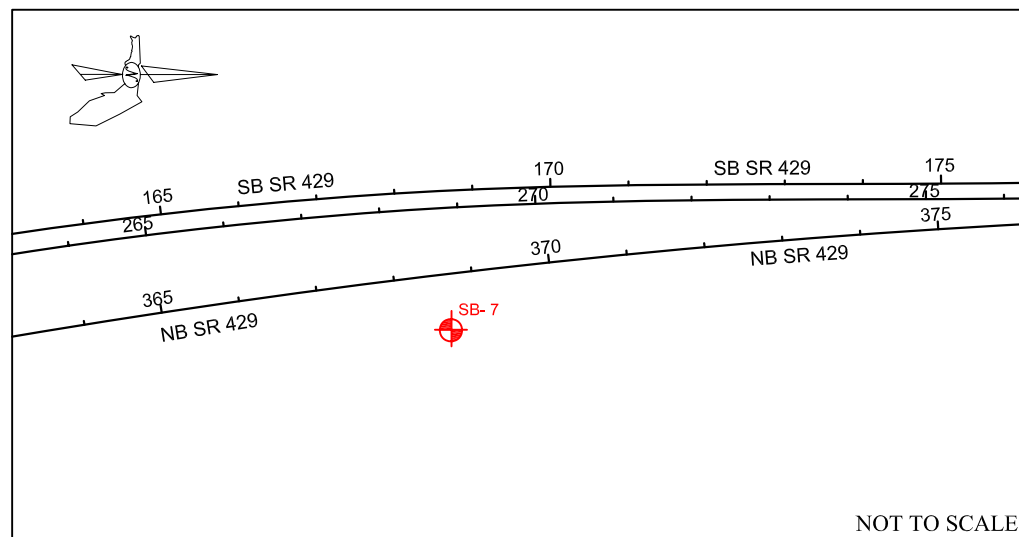
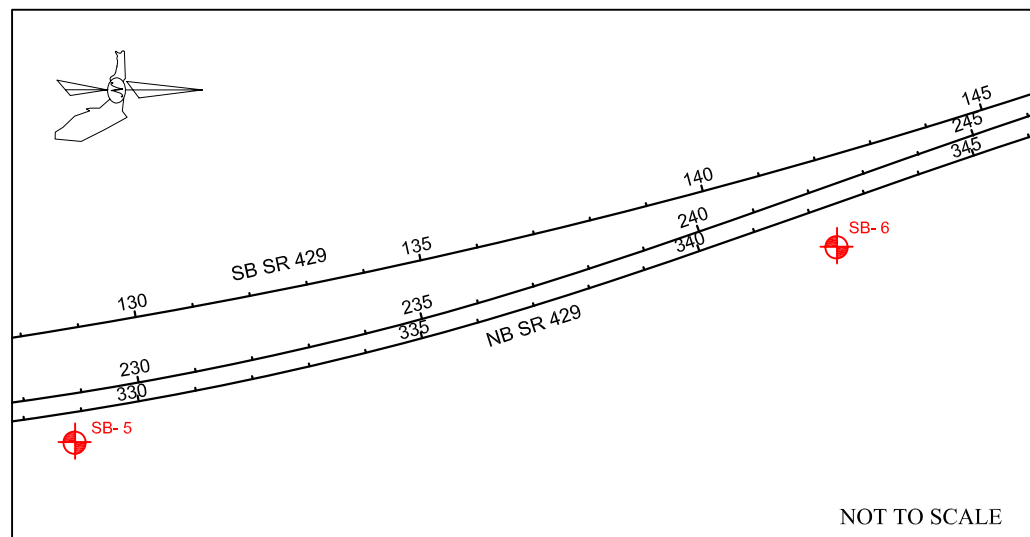
- NOTES (Drop Safety Hammer)**
- Standard Penetration Test borings were performed in accordance with ASTM D-1586. Standard Penetration Resistance are shown on the borings at the test depths in blows per foot unless otherwise noticed
 - Subsurface conditions shown on the boring do not represent conditions between boring locations. Actual conditions between the borings may vary from those shown.
 - Unified Soil Classifications shown on the boring are based on visual examination and limited laboratory testing

GRANULAR MATERIALS

RELATIVE DENSITY	Drop Safety Hammer	Automatic Hammer
	SPT (BLOWS/FT.)	SPT (BLOWS/FT.)
Very loose	Less than 4	Less than 3
Loose	4-10	3-7
Medium Dense	10-30	7-21
Dense	30-50	21-35
Very Dense	Greater than 50	Greater than 35

SILTS AND CLAYS

CONSISTENCY	Drop Safety Hammer	Automatic Hammer
	SPT (BLOWS/FT.)	SPT (BLOWS/FT.)
Very soft	Less than 2	Less than 1
Soft	2-4	1-3
Firm	4-8	3-6
Stiff	8-15	6-11
Very Stiff	15-30	11-21
Hard	Greater than 30	Greater than 21



QUADRANGLE: Apopka, FL.
SECTION: 24
TOWNSHIP: 20 SOUTH
RANGE: 27 EAST
Photo Issue 1960 (Photo Revised 1980)

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAMES	DATES
Drawn by: MS	03-10-14
Checked by: GNN	03-12-14
Designed by: N/A	N/A
Checked by: N/A	N/A
Approved by: GNN	

GODWIN N. NNADI, Ph.D., P.E.
FL REGISTRATION NO. 50637
NADIC ENGINEERING SERVICES, INC.
601 N. HART BOULEVARD
ORLANDO, FL 32818
PH (407) 521-4771 FAX (407) 521-4772
CERTIFICATE OF AUTHORIZATION NO. 8214



COUNTY	PROJECT NO.
ORANGE	429-203

SHEET TITLE: REPORT OF SPT BORINGS FOR SIGN STRUCTURES	
PROJECT NAME: SR 429 BRIDGE AT WEKIVA PARKWAY-SECTION 1B	SHEET NO. S-54

Boring No.:
 Structure Name:
 Approx station, offset:
 Baseline:
 Elevation:
 Date Drilled:

SIGN STRUCTURE

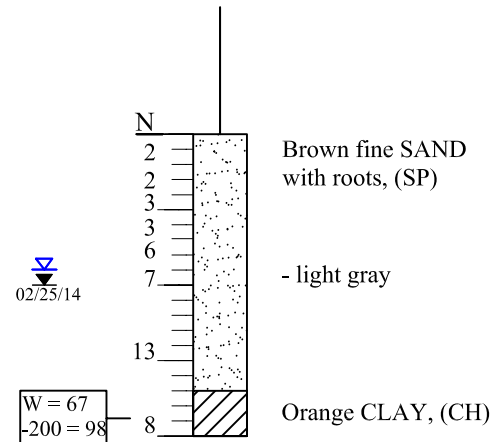
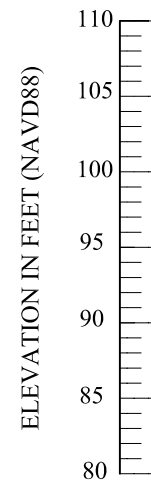
SB-8
 DCS/OC-4
 295+19, 84' RT
 SR 429 CL
 102.8'
 02/25/2014

NORTHING: 1606373.7'
EASTING: 474601.8'

DEVICE STRUCTURE

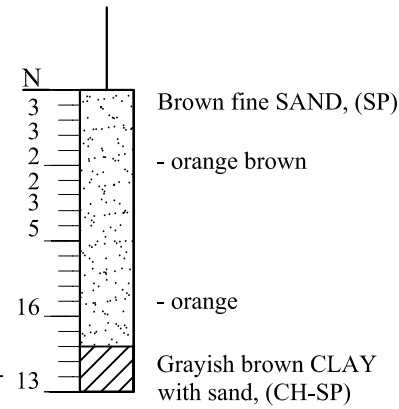
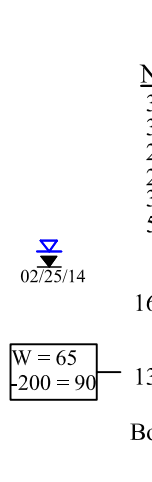
SB-9
 TMS
 296+00, 92' RT
 SR 429 CL
 105.7'
 02/25/2014

NORTHING: 1606453.7'
EASTING: 474603.3'



Boring Terminated @
 Elevation +82.8'

W = 67
 -200 = 98



Boring Terminated @
 Elevation +85.7'

W = 65
 -200 = 90

LEGEND

SAND CLAY

SB-4 Approximate Boring Location

(SP) Unified soil classification group symbol

W = Natural Moisture Content (%) (FM 1-T265)
 -200 = Percent Passing No. 200 US Standard Sieve (%) (FM 1-T088)

Groundwater level encountered on date shown

Estimated seasonal high groundwater level

N Standard Penetration Test Data
 Standard penetration resistance in blows per foot (18" spoon ASTM D-1586)
 Spoon Inside Diameter 1 3/8 in.
 Spoon Outside Diameter 2 in.
 ASTM Standard Automatic Hammer
 Drop 30 in.
 Hammer Weight 140 lbs.
 ASTM Standard Drop Safety Hammer (Rope-Cathead)
 Drop 30 in.
 Hammer Weight 140 lbs.

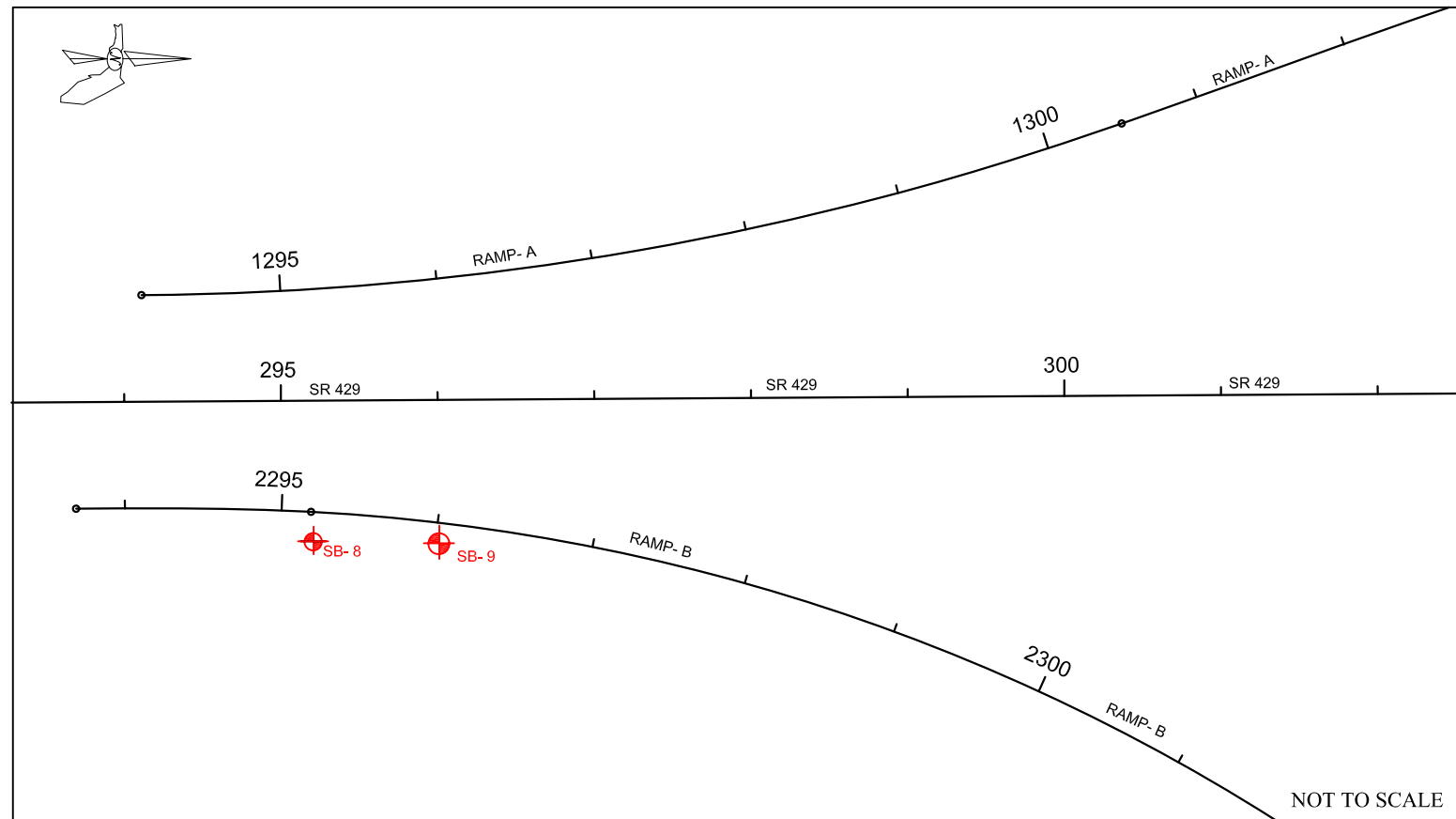
- NOTES (Drop Safety Hammer)**
- Standard Penetration Test borings were performed in accordance with ASTM D-1586. Standard Penetration Resistance are shown on the borings at the test depths in blows per foot unless otherwise noticed
 - Subsurface conditions shown on the boring do not represent conditions between boring locations. Actual conditions between the borings may vary from those shown.
 - Unified Soil Classifications shown on the boring are based on visual examination and limited laboratory testing

GRANULAR MATERIALS

RELATIVE DENSITY	Drop Safety Hammer	Automatic Hammer
	SPT (BLOWS/FT.)	SPT (BLOWS/FT.)
Very loose	Less than 4	Less than 3
Loose	4-10	3-7
Medium Dense	10-30	7-21
Dense	30-50	21-35
Very Dense	Greater than 50	Greater than 35

SILTS AND CLAYS

CONSISTENCY	Drop Safety Hammer	Automatic Hammer
	SPT (BLOWS/FT.)	SPT (BLOWS/FT.)
Very soft	Less than 2	Less than 1
Soft	2-4	1-3
Firm	4-8	3-6
Stiff	8-15	6-11
Very Stiff	15-30	11-21
Hard	Greater than 30	Greater than 21



NOT TO SCALE

QUADRANGLE: Apopka, FL.
 SECTION: 24
 TOWNSHIP: 20 SOUTH
 RANGE: 27 EAST
 Photo Issue 1960 (Photo Revised 1980)

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAMES	DATES
Drawn by: MS	03-10-14
Checked by: GNN	03-12-14
Designed by: N/A	N/A
Checked by: N/A	N/A
Approved by: GNN	

GODWIN N. NNADI, Ph.D., P.E.
 FL REGISTRATION NO. 50637
 NADIC ENGINEERING SERVICES, INC.
 601 N. HART BOULEVARD
 ORLANDO, FL 32818
 PH (407) 521-4771 FAX (407) 521-4772
 CERTIFICATE OF AUTHORIZATION NO. 8214



COUNTY: ORANGE
 PROJECT NO.: 429-203

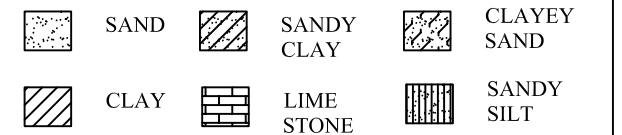
SHEET TITLE:
REPORT OF SPT BORINGS FOR DEVICE AND SIGN STRUCTURES
PROJECT NAME:
 SR 429 BRIDGE AT WEKIVA PARKWAY-SECTION 1B

SHEET NO.
S-55

Z:\Roadways\G\nnadi\Wekiva Parkway\BSA_Section 1B\CAD

SHEET 3

LEGEND



SB-4 Approximate Boring Location
 (SP) Unified soil classification group symbol
 W = Natural Moisture Content (%) (FM 1-T265)
 -200 = Percent Passing No. 200 US Standard Sieve (%) (FM 1-T088)
 LL = Liquid Limit (%) (FM 1-T089)
 PI = Plasticity Index (%) (FM 1-T090)

12/04/13 Groundwater level encountered on date shown
 Estimated seasonal high groundwater level
 GNE Groundwater not encountered within top 15 feet during time of field exploration
 100% Percent Loss of Circulation of Drilling Fluid

N Standard Penetration Test Data
 Standard penetration resistance in blows per foot (18" spoon ASTM D-1586)
 Spoon Inside Diameter 1 3/8 in.
 Spoon Outside Diameter 2 in.
 ASTM Standard Automatic Hammer
 Drop 30 in.
 Hammer Weight 140 lbs.
 ASTM Standard Drop Safety Hammer (Rope-Cathead)
 Drop 30 in.
 Hammer Weight 140 lbs.

NOTES (Drop Safety Hammer)
 1. Standard Penetration Test borings were performed in accordance with ASTM D-1586. Standard Penetration Resistance are shown on the borings at the test depths in blows per foot unless otherwise noticed
 2. Subsurface conditions shown on the boring do not represent conditions between boring locations. Actual conditions between the borings may vary from those shown.
 3. Unified Soil Classifications shown on the boring are based on visual examination and limited laboratory testing

GRANULAR MATERIALS

RELATIVE DENSITY	Drop Safety Hammer	Automatic Hammer
	SPT (BLOWS/FT.)	SPT (BLOWS/FT.)
Very loose	Less than 4	Less than 3
Loose	4-10	3-7
Medium Dense	10-30	7-21
Dense	30-50	21-35
Very Dense	Greater than 50	Greater than 35

SILTS AND CLAYS

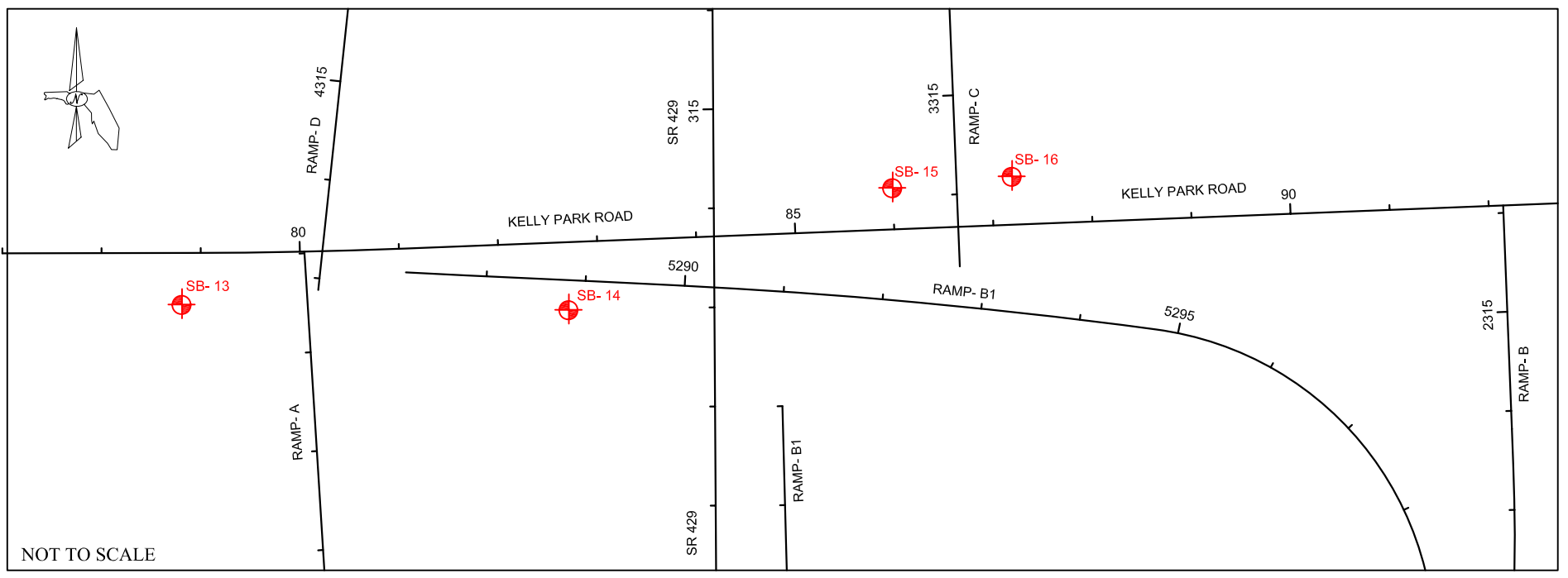
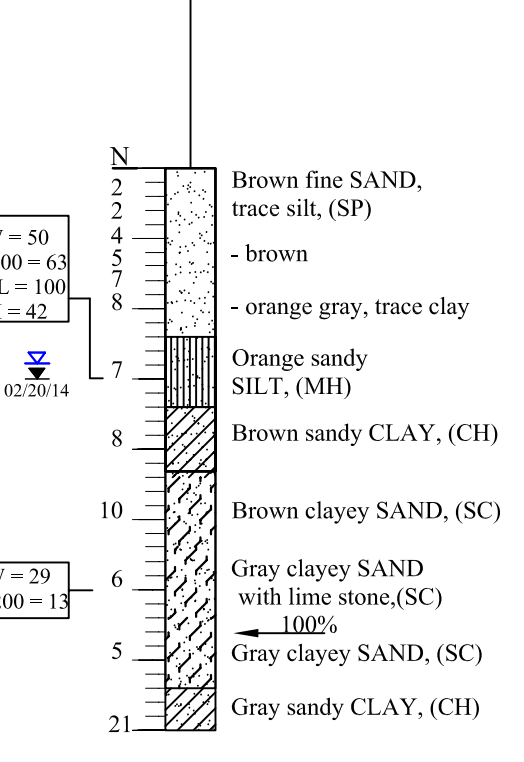
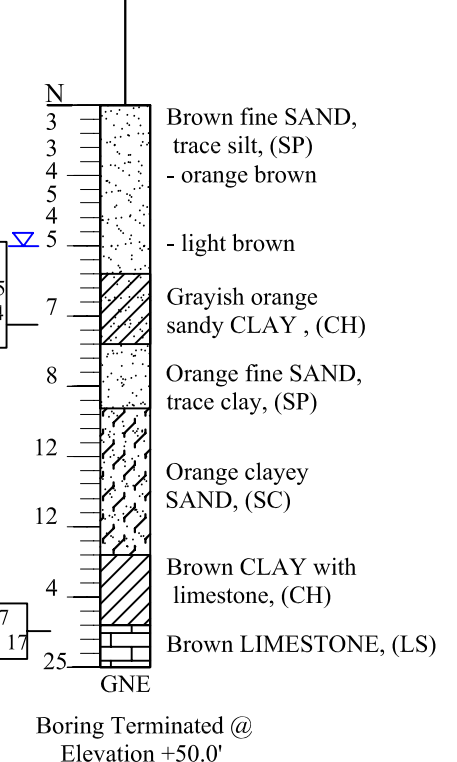
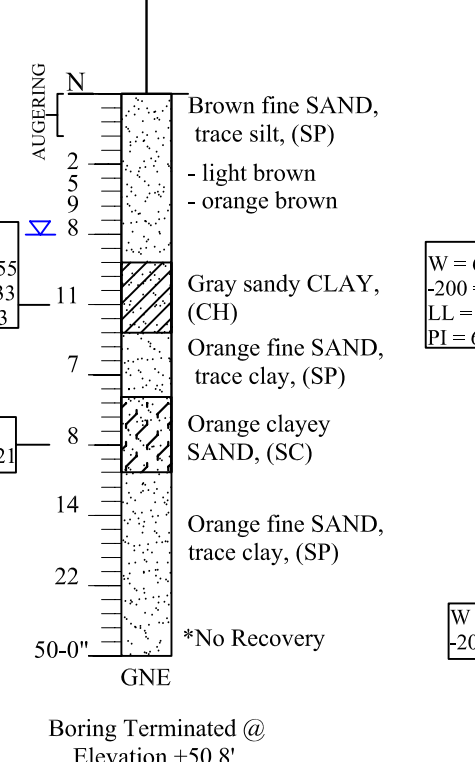
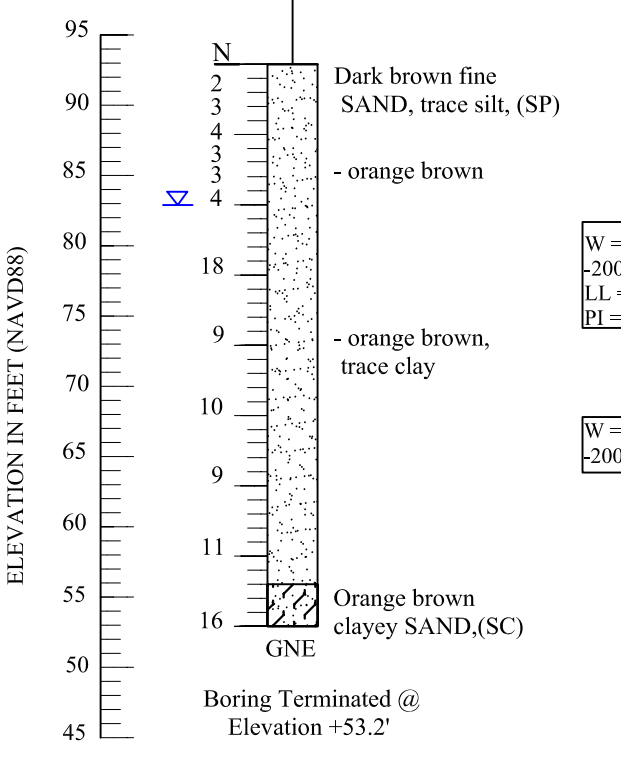
CONSISTENCY	Drop Safety Hammer	Automatic Hammer
	SPT (BLOWS/FT.)	SPT (BLOWS/FT.)
Very soft	Less than 2	Less than 1
Soft	2-4	1-3
Firm	4-8	3-6
Stiff	8-15	6-11
Very Stiff	15-30	11-21
Hard	Greater than 30	Greater than 21

Boring No.: SB-13
 Structure Name: OC-9
 Approx station, offset: 78+81, 52' RT
 Baseline: KPR
 Elevation: 93.2'
 Date Drilled: 02/21/2014
NORTHING: 1608156.2'
EASTING: 473964.7'

Boring No.: SB-14
 Structure Name: OC-10
 Approx station, offset: 82+68, 69' RT
 Baseline: KPR
 Elevation: 90.8'
 Date Drilled: 02/21/2014
NORTHING: 1608149.9'
EASTING: 474353.1'

Boring No.: SB-15
 Structure Name: OC-11
 Approx station, offset: 85+60, 42' LT
 Baseline: KPR
 Elevation: 90'
 Date Drilled: 02/21/2014
NORTHING: 1608273.8'
EASTING: 474680.5'

Boring No.: SB-16
 Structure Name: OC-12
 Approx station, offset: 87+20, 48' LT
 Baseline: KPR
 Elevation: 85.57'
 Date Drilled: 02/20/2014
NORTHING: 1608284.5'
EASTING: 474800.2'



QUADRANGLE: Apopka, FL.
 SECTION: 24
 TOWNSHIP: 20 SOUTH
 RANGE: 27 EAST
 Photo Issue 1960 (Photo Revised 1980)

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAMES	DATES
Drawn by: MS	03-10-14
Checked by: GNN	03-12-14
Designed by: N/A	N/A
Checked by: N/A	N/A
Approved by: GNN	

GODWIN N. NNADI, Ph.D., P.E.
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 NADIC ENGINEERING SERVICES, INC.
 601 N. HART BOULEVARD
 ORLANDO, FL 32818
 PH (407) 521-4771 FAX (407) 521-4772
 CERTIFICATE OF AUTHORIZATION NO. 8214



SHEET TITLE:
REPORT OF SPT BORINGS FOR SIGN STRUCTURES
 PROJECT NAME:
 SR 429 BRIDGE AT WEKIVA PARKWAY-SECTION 1B
 COUNTY: ORANGE PROJECT NO.: 429-203
 SHEET NO.: **S-56**

Z:\Roadways\GInadi\Wekiva Parkway\BSA_Section 1B\CAD

SHEET 5